

A&P 28

Development  
& Inheritance

MCQ

Development & Inheritance

Author: OpenStax College

Published 2014

# Create, Share, and Discover Online Quizzes.

QuizOver.com is an intuitive and powerful online quiz creator. [learn more](#)

Join QuizOver.com



## How to Analyze Stocks

By Yasser Ibrahim

1 month ago  
12 Responses

© iStock: Thomson Moter



## Pre Employment English

By Katharina jennifer N

5 months ago  
19 Responses

© iStock: Albin



## Lean Startup Quiz

By Yasser Ibrahim

2 months ago  
16 Responses

© iStock: Gekwaw Choo

Powered by QuizOver.com

The Leading Online Quiz & Exam Creator

Create, Share and Discover Quizzes & Exams

<http://www.quizover.com>

## Disclaimer

All services and content of QuizOver.com are provided under QuizOver.com terms of use on an "as is" basis, without warranty of any kind, either expressed or implied, including, without limitation, warranties that the provided services and content are free of defects, merchantable, fit for a particular purpose or non-infringing.

The entire risk as to the quality and performance of the provided services and content is with you.

In no event shall QuizOver.com be liable for any damages whatsoever arising out of or in connection with the use or performance of the services.

Should any provided services and content prove defective in any respect, you (not the initial developer, author or any other contributor) assume the cost of any necessary servicing, repair or correction.

This disclaimer of warranty constitutes an essential part of these "terms of use".

No use of any services and content of QuizOver.com is authorized hereunder except under this disclaimer.

The detailed and up to date "terms of use" of QuizOver.com can be found under:

<http://www.QuizOver.com/public/termsOfUse.xhtml>



## eBook Content License

OpenStax College. Anatomy & Physiology, OpenStax-CNX Web site.  
<http://cnx.org/content/col11496/1.6/>, Jun 11, 2014

### Creative Commons License

Attribution-NonCommercial-NoDerivs 3.0 Unported (CC BY-NC-ND 3.0)

<http://creativecommons.org/licenses/by-nc-nd/3.0/>

You are free to:

Share: copy and redistribute the material in any medium or format

The licensor cannot revoke these freedoms as long as you follow the license terms.

Under the following terms:

**Attribution:** You must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use.

**NonCommercial:** You may not use the material for commercial purposes.

**NoDerivatives:** If you remix, transform, or build upon the material, you may not distribute the modified material.

**No additional restrictions:** You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits.

## 4. Chapter: A&P 28 Development & Inheritance MCQ

### 1. A&P 28 Development & Inheritance MCQ Questions

4.1.1. Sperm and ova are similar in terms of \_\_\_\_\_.

Author: OpenStax College

Sperm and ova are similar in terms of \_\_\_\_\_.

Please choose only one answer:

- size
- quantity produced per year
- chromosome number
- flagellar motility

Check the answer of this question online at QuizOver.com:

Question: [Sperm and ova are similar in terms of . OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/sperm-and-ova-are-similar-in-terms-of-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/sperm-and-ova-are-similar-in-terms-of-openstax-college-anatomy?pdf=1505>

#### 4.1.2. Although the male ejaculate contains hundreds of millions of sperm,...

Author: OpenStax College

Although the male ejaculate contains hundreds of millions of sperm, \_\_\_\_\_.

Please choose only one answer:

- most do not reach the oocyte
- most are destroyed by the alkaline environment of the uterus
- it takes millions to penetrate the outer layers of the oocyte
- most are destroyed by capacitation

Check the answer of this question online at QuizOver.com:

Question: [Although the male ejaculate contains OpenStax College Anatomy Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/although-the-male-ejaculate-contains-openstax-college-anatomy-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/although-the-male-ejaculate-contains-openstax-college-anatomy-quest?pdf=1505>

4.1.3. As sperm first reach the oocyte, they will contact the \_\_\_\_\_.

Author: OpenStax College

As sperm first reach the oocyte, they will contact the \_\_\_\_\_.

Please choose only one answer:

- acrosome
- corona radiata
- sperm-binding receptors
- zona pellucida

Check the answer of this question online at QuizOver.com:

Question: [As sperm first reach the oocyte they will OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/as-sperm-first-reach-the-oocyte-they-will-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/as-sperm-first-reach-the-oocyte-they-will-openstax-college-anatomy?pdf=1505>



4.1.4. Fusion of pronuclei occurs during \_\_\_\_\_.

Author: OpenStax College

Fusion of pronuclei occurs during \_\_\_\_\_.

Please choose only one answer:

- spermatogenesis
- ovulation
- fertilization
- capacitation

Check the answer of this question online at QuizOver.com:

Question: [Fusion of pronuclei occurs during . OpenStax College Anatomy Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/fusion-of-pronuclei-occurs-during-openstax-college-anatomy-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/fusion-of-pronuclei-occurs-during-openstax-college-anatomy-quest?pdf=1505>

#### 4.1.5. Sperm must first complete \_\_\_\_\_ to enable the fertilization of a...

Author: OpenStax College

Sperm must first complete \_\_\_\_\_ to enable the fertilization of an oocyte.

Please choose only one answer:

- capacitation
- the acrosomal reaction
- the cortical reaction
- the fast block

Check the answer of this question online at QuizOver.com:

Question: [Sperm must first complete to enable the OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/sperm-must-first-complete-to-enable-the-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/sperm-must-first-complete-to-enable-the-openstax-college-anatomy?pdf=1505>

4.1.6. Cleavage produces daughter cells called \_\_\_\_\_.

Author: OpenStax College

Cleavage produces daughter cells called \_\_\_\_\_.

Please choose only one answer:

- trophoblasts
- blastocysts
- morulae
- blastomeres

Check the answer of this question online at QuizOver.com:

Question: [Cleavage produces daughter cells called OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/cleavage-produces-daughter-cells-called-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/cleavage-produces-daughter-cells-called-openstax-college-anatomy?pdf=1505>

4.1.7. The conceptus, upon reaching the uterus, first \_\_\_\_\_.

Author: OpenStax College

The conceptus, upon reaching the uterus, first \_\_\_\_\_.

Please choose only one answer:

- implants
- divides
- disintegrates
- hatches

Check the answer of this question online at QuizOver.com:

Question: [The conceptus upon reaching the uterus OpenStax College Anatomy Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/the-conceptus-upon-reaching-the-uterus-openstax-college-anatomy-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/the-conceptus-upon-reaching-the-uterus-openstax-college-anatomy-quest?pdf=1505>

4.1.8. The inner cell mass of the blastocyst is destined to become the \_\_\_\_...

Author: OpenStax College

The inner cell mass of the blastocyst is destined to become the \_\_\_\_\_.

Please choose only one answer:

- embryo
- trophoblast
- chorionic villi
- placenta

Check the answer of this question online at QuizOver.com:

Question: [The inner cell mass of the blastocyst is OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/the-inner-cell-mass-of-the-blastocyst-is-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/the-inner-cell-mass-of-the-blastocyst-is-openstax-college-anatomy?pdf=1505>

#### 4.1.9. Which primary germ layer gave rise to the cells that eventually bec...

Author: OpenStax College

Which primary germ layer gave rise to the cells that eventually became the central nervous system?

Please choose only one answer:

- endoderm
- ectoderm
- acrosome
- mesoderm

Check the answer of this question online at QuizOver.com:

Question: [Which primary germ layer gave rise to the OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/which-primary-germ-layer-gave-rise-to-the-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/which-primary-germ-layer-gave-rise-to-the-openstax-college-anatomy?pdf=1505>



#### 4.1.10. What would happen if the trophoblast did not secrete hCG upon impla...

Author: OpenStax College

What would happen if the trophoblast did not secrete hCG upon implantation of the blastocyst?

Please choose only one answer:

- The cells would not continue to divide.
- The corpus luteum would continue to produce progesterone and estrogen.
- Menses would flush the blastocyst out of the uterus.
- The uterine mucosa would not envelop the blastocyst.

Check the answer of this question online at QuizOver.com:

Question: [What would happen if the trophoblast did OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/what-would-happen-if-the-trophoblast-did-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-would-happen-if-the-trophoblast-did-openstax-college-anatomy?pdf=1505>

#### 4.1.11. During what process does the amnion envelop the embryo?

Author: OpenStax College

During what process does the amnion envelop the embryo?

Please choose only one answer:

- embryonic folding
- gastrulation
- implantation
- organogenesis

Check the answer of this question online at QuizOver.com:

Question: [During what process does the amnion envelop OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/during-what-process-does-the-amnion-envelop-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/during-what-process-does-the-amnion-envelop-openstax-college-anatomy?pdf=1505>

4.1.12. The placenta is formed from \_\_\_\_\_.

Author: OpenStax College

The placenta is formed from \_\_\_\_\_.

Please choose only one answer:

- the embryo's mesenchymal cells
- the mother's endometrium only
- the mother's endometrium and the embryo's chorionic membrane
- the mother's endometrium and the embryo's umbilical cord

Check the answer of this question online at QuizOver.com:

Question: [The placenta is formed from . OpenStax College Anatomy Physiology](#)

Flashcards:

<http://www.quizover.com/flashcards/the-placenta-is-formed-from-openstax-college-anatomy-physiology?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/the-placenta-is-formed-from-openstax-college-anatomy-physiology?pdf=1505>

#### 4.1.13. The foramen ovale causes the fetal circulatory system to bypass the...

Author: OpenStax College

The foramen ovale causes the fetal circulatory system to bypass the \_\_\_\_\_.

Please choose only one answer:

- liver
- lungs
- kidneys
- gonads

Check the answer of this question online at QuizOver.com:

Question: [The foramen ovale causes the fetal OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/the-foramen-ovale-causes-the-fetal-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/the-foramen-ovale-causes-the-fetal-openstax-college-anatomy?pdf=1505>

#### 4.1.14. What happens to the urine excreted by the fetus when the kidneys be...

Author: OpenStax College

What happens to the urine excreted by the fetus when the kidneys begin to function?

Please choose only one answer:

- The umbilical cord carries it to the placenta for removal.
- The endometrium absorbs it.
- It adds to the amniotic fluid.
- It is turned into meconium.

Check the answer of this question online at QuizOver.com:

Question: [What happens to the urine excreted by the OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/what-happens-to-the-urine-excreted-by-the-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-happens-to-the-urine-excreted-by-the-openstax-college-anatomy?pdf=1505>

4.1.15. During weeks 9-12 of fetal development, \_\_\_\_\_.

Author: OpenStax College

During weeks 9-12 of fetal development, \_\_\_\_\_.

Please choose only one answer:

- bone marrow begins to assume erythrocyte production
- meconium begins to accumulate in the intestines
- surfactant production begins in the fetal lungs
- the spinal cord begins to be myelinated

Check the answer of this question online at QuizOver.com:

Question: [During weeks 9-12 of fetal development . OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/during-weeks-9-12-of-fetal-development-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/during-weeks-9-12-of-fetal-development-openstax-college-anatomy?pdf=1505>



4.1.16. Progesterone secreted by the placenta suppresses \_\_\_\_\_ to preven...

Author: OpenStax College

Progesterone secreted by the placenta suppresses \_\_\_\_\_ to prevent maturation of ovarian follicles.

Please choose only one answer:

- LH and estrogen
- hCG and FSH
- FSH and LH
- estrogen and hCG

Check the answer of this question online at QuizOver.com:

Question: [Progesterone secreted by the placenta OpenStax College Anatomy Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/progesterone-secreted-by-the-placenta-openstax-college-anatomy-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/progesterone-secreted-by-the-placenta-openstax-college-anatomy-quest?pdf=1505>

#### 4.1.17. Which of the following is a possible culprit of "morning sickness"?

Author: OpenStax College

Which of the following is a possible culprit of "morning sickness"?

Please choose only one answer:

- increased minute respiration
- decreased intestinal peristalsis
- decreased aldosterone secretion
- increased blood volume

Check the answer of this question online at QuizOver.com:

Question: [Which of the following is a possible OpenStax College Anatomy Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/which-of-the-following-is-a-possible-openstax-college-anatomy-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/which-of-the-following-is-a-possible-openstax-college-anatomy-quest?pdf=1505>

#### 4.1.18. How does the decrease in progesterone at the last weeks of pregnanc...

Author: OpenStax College

How does the decrease in progesterone at the last weeks of pregnancy help to bring on labor?

Please choose only one answer:

- stimulating FSH production
- decreasing the levels of estrogens
- dilating the cervix
- decreasing the inhibition of uterine contractility

Check the answer of this question online at QuizOver.com:

Question: [How does the decrease in progesterone at OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/how-does-the-decrease-in-progesterone-at-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/how-does-the-decrease-in-progesterone-at-openstax-college-anatomy?pdf=1505>

#### 4.1.19. Which of these fetal presentations is the easiest for vaginal birth?

Author: OpenStax College

Which of these fetal presentations is the easiest for vaginal birth?

Please choose only one answer:

- complete breech
- vertex occiput anterior
- frank breech
- vertex occiput posterior

Check the answer of this question online at QuizOver.com:

Question: [Which of these fetal presentations is the OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/which-of-these-fetal-presentations-is-the-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/which-of-these-fetal-presentations-is-the-openstax-college-anatomy?pdf=1505>

#### 4.1.20. Which of these shunts exists between the right and left atria?

Author: OpenStax College

Which of these shunts exists between the right and left atria?

Please choose only one answer:

- foramen ovale
- ductus venosus
- ductus arteriosus
- foramen venosus

Check the answer of this question online at QuizOver.com:

Question: [Which of these shunts exists between the OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/which-of-these-shunts-exists-between-the-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/which-of-these-shunts-exists-between-the-openstax-college-anatomy?pdf=1505>

#### 4.1.21. Why is brown fat important?

Author: OpenStax College

Why is brown fat important?

Please choose only one answer:

- It is the newborn's primary source of insulation.
- It can be broken down to generate heat for thermoregulation.
- It can be broken down for energy between feedings.
- It can be converted to white fat.

Check the answer of this question online at QuizOver.com:

Question: [Why is brown fat important OpenStax College Anatomy Physiology 28](#)

Flashcards:

<http://www.quizover.com/flashcards/why-is-brown-fat-important-openstax-college-anatomy-physiology-28?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/why-is-brown-fat-important-openstax-college-anatomy-physiology-28?pdf=1505>



4.1.22. Constriction of umbilical blood vessels during vaginal birth \_\_\_\_\_.

Author: OpenStax College

Constriction of umbilical blood vessels during vaginal birth \_\_\_\_\_.

Please choose only one answer:

- causes respiratory alkalosis
- inhibits the respiratory center in the brain
- elevates carbon dioxide levels in the blood
- both a and b

Check the answer of this question online at QuizOver.com:

Question: [Constriction of umbilical blood vessels OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/constriction-of-umbilical-blood-vessels-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/constriction-of-umbilical-blood-vessels-openstax-college-anatomy?pdf=1505>

4.1.23. Alveoli are connected to the lactiferous sinuses by \_\_\_\_\_.

Author: OpenStax College

Alveoli are connected to the lactiferous sinuses by \_\_\_\_\_.

Please choose only one answer:

- lactocytes
- lactiferous ducts
- nipple pores
- lobules

Check the answer of this question online at QuizOver.com:

Question: [Alveoli are connected to the lactiferous OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/alveoli-are-connected-to-the-lactiferous-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/alveoli-are-connected-to-the-lactiferous-openstax-college-anatomy?pdf=1505>

#### 4.1.24. How is colostrum most important to a newborn?

Author: OpenStax College

How is colostrum most important to a newborn?

Please choose only one answer:

- It helps boost the newborn's immune system.
- It provides much needed fat.
- It satisfies the newborn's thirst.
- It satisfies the infant's appetite.

Check the answer of this question online at QuizOver.com:

Question: [How is colostrum most important to a OpenStax College Anatomy Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/how-is-colostrum-most-important-to-a-openstax-college-anatomy-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/how-is-colostrum-most-important-to-a-openstax-college-anatomy-quest?pdf=1505>

#### 4.1.25. Mature breast milk \_\_\_\_\_.

Author: OpenStax College

Mature breast milk \_\_\_\_\_.

Please choose only one answer:

- has more sodium than cow's milk
- has more calcium than cow's milk
- has more protein than cow's milk
- has more fat than cow's milk

Check the answer of this question online at QuizOver.com:

Question: [Mature breast milk . OpenStax College Anatomy Physiology 28: Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/mature-breast-milk-openstax-college-anatomy-physiology-28-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/mature-breast-milk-openstax-college-anatomy-physiology-28-quest?pdf=1505>

#### 4.1.26. Marfan syndrome is inherited in an autosomal dominant pattern. Whic...

Author: OpenStax College

Marfan syndrome is inherited in an autosomal dominant pattern. Which of the following is true?

Please choose only one answer:

- Female offspring are more likely to be carriers of the disease.
- Male offspring are more likely to inherit the disease.
- Male and female offspring have the same likelihood of inheriting the disease.
- Female offspring are more likely to inherit the disease.

Check the answer of this question online at QuizOver.com:

Question: [Marfan syndrome is inherited in an autosomal OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/marfan-syndrome-is-inherited-in-an-autosomal-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/marfan-syndrome-is-inherited-in-an-autosomal-openstax-college-anatomy?pdf=1505>

4.1.27. In addition to codominance, the ABO blood group antigens are also a...

Author: OpenStax College

In addition to codominance, the ABO blood group antigens are also an example of \_\_\_\_\_.

Please choose only one answer:

- incomplete dominance
- X-linked recessive inheritance
- multiple alleles
- recessive lethal inheritance

Check the answer of this question online at QuizOver.com:

Question: [In addition to codominance the ABO blood OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/in-addition-to-codominance-the-abo-blood-openstax-college-anatomy?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/in-addition-to-codominance-the-abo-blood-openstax-college-anatomy?pdf=1505>



#### 4.1.28. Zoe has cystic fibrosis. Which of the following is the most likely ...

Author: OpenStax College

Zoe has cystic fibrosis. Which of the following is the most likely explanation?

Please choose only one answer:

- Zoe probably inherited one faulty allele from her father, who is a carrier, and one normal allele from her mother.
- Zoe probably inherited one faulty allele from her mother, who must also have cystic fibrosis, and one normal allele from her father.
- Zoe must have inherited faulty alleles from both parents, both of whom must also have cystic fibrosis.
- Zoe must have inherited faulty alleles from both parents, both of whom are carriers.

Check the answer of this question online at QuizOver.com:

Question: [Zoe has cystic fibrosis. Which of the OpenStax College Anatomy Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/zoe-has-cystic-fibrosis-which-of-the-openstax-college-anatomy-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/zoe-has-cystic-fibrosis-which-of-the-openstax-college-anatomy-quest?pdf=1505>