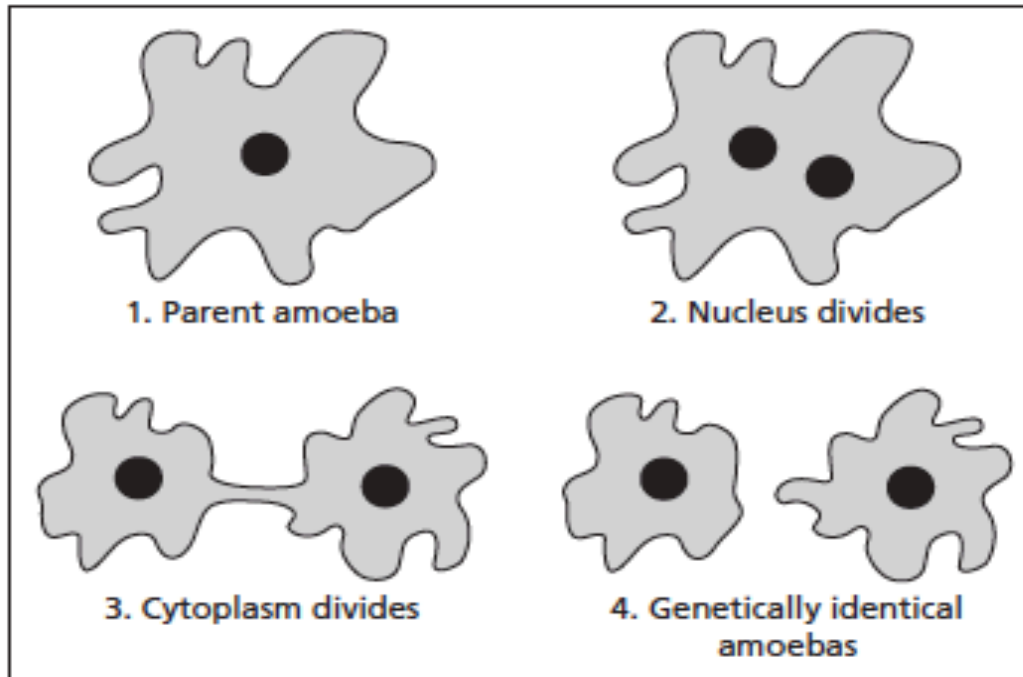


Oct. 22, 2014

8

The diagram below shows one parent amoeba forming two daughter amoebas.



1. Use textbook to support your answer.

2. Write down page number where information is found.

What term best describes this process?

- F incomplete metamorphosis
- G fertilization
- H asexual reproduction
- J diffusion

Get out your homework!

Bell Work

- Finish your assignment from yesterday. Your notebook paper should be on the black board.
- Here is what you were supposed to do.
 - P. 463 1-7
 - P. 476 #2, #3, #4, #5, #6, #7, #8, #9, #10, #14, #16, #17, #19

Chapter 15 Day 7

- I can compare and contrast the basic parts of a wave.
- I can investigate the types and fundamental properties of waves.

GLE 0707.11.5

GLE 0707.11.6

Agenda

- We will go over the correct answers to your homework.
- We will go over the answers to the questions you completed yesterday.
- At the end, you will complete a graded activity on waves.

Homework Answers

A. Amplitude

B. Wavelength

C. Frequency

1. Smaller

2. Larger

3. Color and pitch

D. Speed

1. Closer

2. Fewer

Section 2 Assessment Answers

P. 463 #1 - #7

1. Describe how the frequency of a wave changes as its wavelength changes.

The frequency increases as the wavelength decreases.

2. Explain why a sound wave with a large amplitude is more likely to damage your hearing than one with a small amplitude.

Waves that have large amplitudes carry more energy than waves with small amplitudes.

Section 2 Assessment Answers

P. 463 1-7

3. Explain the time difference between seeing and hearing a fireworks display.

Light travels much faster than sound.

4. Explain why the statement, “The speed of light is 300 million m/s.” is not always correct.

The speed of light varies depending on the medium through which it travels. The speed of light is ABOUT 300 million m/s.

5. Explain the differences between the waves that make up bright, green light and red, dim light.

The waves that make up bright green light have shorter wavelengths, higher frequencies, and larger amplitudes.

Section 2 Assessment Answers

P. 463 1 – 7

6. If three crests of a wave pass by a point, how many complete wavelengths have passed by the point?

2 wavelengths

7. Find the frequency of a wave if ten wavelengths pass a point in 2 seconds.

5 Hz

Chapter Review Answers

P. 476 #2, #3, #4, #5, #6, #7, #8, #9, #10, #14, #16, #17, #19

2. The type of wave that has rarefactions is a
compressional wave

3. The distance between two adjacent crests of a transverse wave is the
wavelength

4. The more energy a wave carries, the greater its _____ is.
amplitude

5. A _____ can travel through space without a medium.
electromagnetic

Chapter Review Answers

P. 476 #2, #3, #4, #5, #6, #7, #8, #9, #10, #14, #16, #17, #19

6. What is the material through which mechanical waves can travel?

D – medium

7. What is transferred by a water wave?

C – energy

8. What are the lowest points on a transverse wave called?

B – troughs

9. What determines the pitch of a sound wave?

B – frequency

Chapter Review Answers

P. 476 #2, #3, #4, #5, #6, #7, #8, #9, #10, #14, #16, #17, #19

10. What is the distance between adjacent wave compressions?

A – one wavelength

14. Light waves of what color have the shortest wavelength and highest frequency?

D – Blue Remember! Roy G. Biv

16. Is it possible for an electromagnetic wave to travel through a vacuum? Through matter? Explain.

Yes and Yes. Electromagnetic waves can travel through space and matter.

Chapter Review Answers

P. 476 #2, #3, #4, #5, #6, #7, #8, #9, #10, #14, #16, #17, #19

17. Why does the frequency of a wave decrease as the wavelength increases?

The frequency decreases because fewer wavelengths pass a given point in 1 second.

19. If a cannon fires at a great distance from you, why do you see the flash before you hear the sound?

Light travels much faster than sound, so the flash will reach you before the sound.

Activity

- Complete the wave Venn diagram.
 - You will put the Venn diagram on a separate sheet of paper. It must be easy for me to read.
 - Complete the Venn diagram and the back.
 - Staple the Venn diagram on the worksheet on top of the side with the Venn diagram.
 - Turn into tray.

STUDY FOR YOUR TEST!