

Physics Final Exam Study Guide

1. How would changing the amplitude change how you see light?

The brightness would change. The bigger the amplitude the brighter the light. The smaller the amplitude the dimmer the light.

2. How would changing the amplitude change how you hear sound?

The volume of the sound would change. The bigger the amplitude the louder the sound. The smaller the amplitude the quieter the sound.

3. How would changing the frequency change how you see light?

Changing the frequency would change the wavelength and the color of the light would change.

4. How would changing the frequency change how you hear sound?

If you change the frequency of the sound, the pitch will change. The higher the frequency the higher the pitch.

5. What factors determine the amount of mechanical kinetic energy a moving object has? The two things that determine the amount of kinetic energy something has is the mass of the object and the velocity(speed) of the object.

6. What factors determine the amount of gravitational potential energy an object has? The mass of the object and the distance above the ground. The higher the more potential energy there is.

7. Why do you see a red car as red?

All of the visible light colors are absorbed except the color red that is reflected.

8. Why do you see a blue car as blue?

All of the visible light colors are absorbed except the color blue that is reflected.

9. How does paint color work?

Whatever the color the paint is, is the only colors that are reflected by the paint. The rest of the colors are absorbed by the paint.

10. How is energy transferred in collisions?

The kinetic energy from the objects that are moving is transferred in to the other object. If it is a wall some of the energy is absorbed by the wall and then transferred back into the moving object to cause it to bounce.

11. How are s waves different than p waves?

S-waves cannot travel through liquids so they are absorbed by the outer core of the earth and do not travel to the other side of the world. The p-wave are transmitted through the core and can be recorded on the other side of the world.

12. What does waves refracting mean?

They are transmitted but bent as they travel through a substance.

13. What is an example of refraction? (include an example using both sound and light waves)

Physics 2nd Semester Exam Study Guide Answers

Oswal - Gurukul



Physics 2nd Semester Exam Study Guide Answers:

Physics 2nd Semester Exam Study Guide Answers Book Review: Unveiling the Power of Words

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