

Unit 10 L 1 What is Energy?

1. What causes sound?
 - a) An object vibrates.
 - b) An object has more light on it.
 - c) An object gets warmer.
2. What kind of energy makes things warmer?
 - a) sound
 - b) light
 - c) heat
3. What is energy?
 - a) It is something that can cause matter to move or change.
 - b) It is to move back and forth very quickly.
 - c) It is anything that takes up space and has mass.
4. What is sound energy?
 - a) It is energy that lets you see.
 - b) It is a kind of energy that makes things warmer.
 - c) It is energy you can hear.
5. What is light energy?
 - a) It is energy that lets you see.
 - b) It is a kind of energy that makes things warmer.
 - c) It is energy you can hear.
6. What is heat energy?
 - a) It is energy that lets you see.
 - b) It is a kind of energy that makes things warmer.
 - c) It is energy you can hear.

7. What is vibration?
- a) It is how loud or soft a sound is.
 - b) It is to move something back and forth very quickly.
 - c) It is how high or low a sound is.
8. Which word tells how loud or soft a sound is?
- a) loudness
 - b) pitch
 - c) vibration
9. What happens when you take away heat from something?
- a) It gets cooler.
 - b) It gets warmer.
10. Choose the effect of the cause. If you add light to anything
- a) things look dimmer
 - b) things look brighter
11. A whistle makes a sound with a high pitch.
- a) True
 - b) False
12. A big drum makes a sound with a low pitch.
- a) False
 - b) True
13. What type of energy is produced when you strike a drum?
- a) light
 - b) heat
 - c) sound
14. The color of the water and rocks looks bright in low light.
- a) False
 - b) True
15. What is the relationship between energy and sound volume?
- a) More energy results in softer sounds.
 - b) More energy results in louder sounds.
 - c) Energy has no effect on sound volume.