

G3 Science Quiz / Chapter 12: Forms of Energy

Multiple Choice: *Type the letter of the correct answer. (12 points)*

- _____ 1. It is a dark space that forms when the light is blocked.
A. Transparent B. Opaque C. Shadow D. Translucent
- _____ 2. It is the flow of energy between two objects.
A. Heat B. Light C. Electricity D. Sound
- _____ 3. It is a form of energy that allows you to see objects.
A. Heat B. Light C. Electricity D. Sound
- _____ 4. It is a form of energy that causes light bulbs to glow.
A. Heat B. Light C. Electricity D. Sound
- _____ 5. It is a form of energy that comes from objects that vibrates.
A. Heat B. Light C. Electricity D. Sound
- _____ 6. Positive charge and negative charge are _____.
A. Static Electricity C. Electric Charges
B. Electricity D. Electric Current
- _____ 7. Light can be absorbed, or _____.
A. Bend B. taken in C. block D. bounces off
- _____ 8. When light hits some objects, it **reflects**, or _____.
A. Bend B. taken in C. block D. bounces off
- _____ 9. Light can refract. To refract means to _____.
A. Bend B. taken in C. block D. bounces off
- _____ 10. Opaque objects _____ light from passing through them.
A. Bend B. taken in C. block D. bounces off
- _____ 11. Wax paper and frosted (colored) glass are examples of _____ objects.
A. Transparent B. Opaque C. Shadow D. Translucent
- _____ 12. Objects that allow all the light to pass through them are called _____.
A. Transparent B. Opaque C. Shadow D. Translucent

Completion: Fill in the blanks to complete the sentence. Type the answers in the box.
Choose the answers from box below. (10 points)

fires	conductor	pitch	Rubbing	volume	
glass	insulator	switch	water	Sun	thermometer

1. The _____ is Earth's main source of heat.
2. The Sun's heat warms the air, land, and _____.
3. Light bulbs, stoves, and _____ are some other sources of heat.
4. _____ two objects can also produce heat.
5. An _____ is a material that heat does not pass through easily.
6. A _____ is a material that heat moves through easily.
7. A _____ is use to turn on and turn off the flow of electricity.
8. A _____ describes how loud the sound is.
9. A sound's _____ is how high or low it is.
10. A _____ measures how hot or cold something is.
11. _____ is a transparent object that light can through.

True or False: Choose True if the statement is correct and choose False if it is wrong.
(10 points)

- _____ 1. Without the Sun's heat, it would be too cold on Earth.
- _____ 2. At the beach, the sand is colder than the water when Sun heats them up.
- _____ 3. To vibrate is move back and forth quickly.
- _____ 4. It is important to protect your ears by staying away from loud sounds.
- _____ 5. Always put a finger and pencil in your ear.
- _____ 6. The closer an object is to light source, the bigger its shadow.
- _____ 7. You can see things even when there is no light at all.
- _____ 8. Mirror reflects light.
- _____ 9. A pencil in a glass of water is an example of refraction of light.
- _____ 10. Opaque objects can cause shadow to form.

Identification: *Identify the following pictures. Choose the correct answers. (18 points)*

Conductor or Insulator

1. _____



2. _____



3. _____



4. _____



5. _____



6. _____



7. _____



8. _____



9. _____



10. _____



Opaque, Transparent, or Translucent

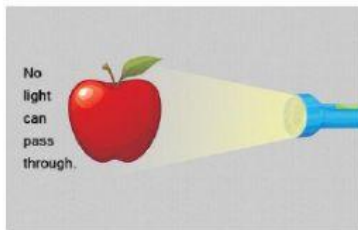
11. _____



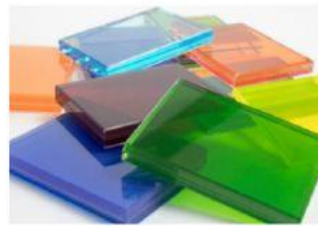
12. _____



13. _____



14. _____



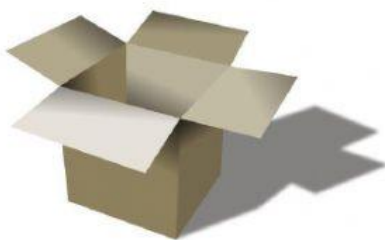
15. _____



16. _____



17. _____



18. _____

