

SCIENCE AND HEALTH 5
3rd Quarter Summative Test B
SY 2020-2021

I. Choose the letter of the correct answer.

1. Opaque materials block the light from passing through. What does this mean?

- a. Opaque materials appear to be black in color.
- b. Opaque materials make objects behind them invisible.
- c. Opaque materials allow us to see objects behind them.

2. Which describes natural sources of light?

- a. They are made from scratch.
- b. They are God's creation.
- c. They are made by man.

3. When does a coin produce the softest sound?

- d. when it falls on a pillow
- e. when it falls on a wooden floor
- f. when it falls on an aluminum can

4. In what way can we lessen the effects of bad noise?

- a. by constantly blowing our vehicle's horn
- b. by setting the television at the appropriate volume
- c. by using firecrackers whenever there is a special occasion

5. Which important tool uses both light and sound energy to serve its purpose?

- a. lamp post
- b. wind chime
- c. ambulance siren

II. Identify the energy being described in each statement. Write **heat**, **light** or **sound**.

1. It can be bounced, refracted and reflected.
2. Among all the energies, it has the fastest speed.
3. The skin produces sweat when it senses this energy.
4. It travels through air, water and solid objects through vibrations.
5. The faster the molecules move inside the object, the higher the temperature that this energy creates.

III. What energy will be needed in the following situations? Write **heat**, **light** or **sound**.

1. Maria needs to smoothen her crumpled dress.
2. Martha wants to talk to her friend over the telephone.
3. Dra. Carol wants to check if a baby's heartbeat is normal.
4. Lucy's doctor wants to see if her throat is red and swollen.
5. The electricity went out in Maria's house and needed something to lighten it.

IV.

luminous

vibrations

volume

burning

translucent

Light, heat and sound are the three forms of energy. _____ objects

give off light energy. Some materials allow very little amount of light to get through.

These materials are _____. Sound energy is made from _____

_____. Sound has _____, which is either loud or soft.

Heat is the last form of energy. It is usually created from _____

materials. Fire can bring both warmth and danger.