

1008 Dreketi Sangam School
Basic Science
Marking Scheme
Year 8

1. List down two sources from which electricity can be generated?

Solar, hydro, wind, wave, fossil fuels...

2. Electricity can be changed into which two forms?

i) Heat

ii) Light

3. List down three appliances at your home that use electricity.

Radio, television, rice cooker, water heater, iron, food processor, fan...

4. How is sound energy produced?

- Sounds are produced when an object vibrates.
- When this happens, the air around the object also vibrates.
- These vibrations in the air travel as sound waves.
- The sound waves move sound energy from one place to another.

5. What is the Latin word for sun? Solar

6. Define radiation - Radiation is energy that moves from one place to another. Light, sound, heat, and X-rays are examples of radiation

7. What are the two ways in which solar power could be used?

i) A heat source,

ii) An energy source.

8. Describe how a solar panel for heating water works?

Solar panels heat up water directly. A pump pushes cold water from a storage tank through pipes in the solar panel. The water is heated by heat energy from the Sun and returns to the tank.

9. What are solar cells? Solar cells are devices that convert light energy directly into electrical energy.

10. List down three ways in which you use sun energy at home?

For light, drying clothes, drying of fruits and vegetables, solar heater, charging solar powered appliances and lights, killing germs