

NEW AL WUROOD INTERNATIONAL SCHOOL, JEDDAH, K.S.A

Affiliated to CBSE – New Delhi, Affiliation No. 5730008



WORKSHEET -1

GRADE: 5 – EVALUATION II

SUBJECT: SCIENCE

BLOCK :20-Saving energy

Block 21-Matter and its properties

Block 22-Physical changes

I. CHOOSE THE CORRECT ANSWERS

- Which of the following is a renewable source of energy?
a) Fossil fuel b) Solar energy c) Natural gas
- In thermal power plant _____ is used to produce energy
a) Coal b) Uranium c) wind
- The fourth state of matter is _____
a) Plasma state b) Solid state c) Gaseous state
- A natural process in which a liquid changes to solid when cooled is called _____
a) Melting b) Freezing c) Condensation
- The _____ in the thermometer bulb expands and rises up due to our body heat.
a) Mercury b) water c) oxygen

II. Fill in the blanks:

- The substances expand when they are heated and _____ when they are cooled.
- Rain and dew are formed due to _____ of water vapour.
- Gases and liquids are called _____ due to their ability to flow.
- The amount of matter present in a substance is called its _____
- An engine driven by a moving fluid .that pushes against the blades or paddles attached to a central shaft is known as _____
- The largest source of producing electricity is _____

III. GIVE REASON

- In a warm climate paint the exterior of the house with a light colour.
- Gases neither have a fixed size nor shape.



3. Ice floats on water

IV. ANSWER THE FOLLOWING QUESTIONS.

1. What would happen if the solid state had not existed?
2. We have thermal power plant, wind power plant, hydro power plant. Which one is the best power plant and give justification to your answer.
3. How is solar energy used as fuel to run solar car?
4. Observe the picture of refrigerator and look at the star rating on it. What it indicates and how it helps the nature?



5. Biomass is a renewable source of energy ?Why
6. Why does powdered sugar taste as sweet as sugar crystals?
7. Sand can be poured like liquids. Would you classify it as solid or liquid? Give reason for your answer.
8. When we light an incense stick in one room, it can be smelled in the other room as well. Which property of gases does this show?



9. Take the balloon and fix it in the mouth of the bottle/cup. Keep the bottle /cup in the tub which contains the warm water. Predict what will happen to the balloon after 20 mins?
10. Comment on the following pictures.



11. Differentiate between renewable and nonrenewable sources of energy.
12. Draw a flow chart to show how electricity is produced in a thermal power plant.
13. Write any five ways to conserve energy.

XX

