



SHREE VASISHTHA VIDHYALAYA

Science Worksheet 2026-27

Name: - _____

Std.: - V - _____

Roll No.: - _____

Worksheet No. TA1-1

Date: - _____

Ch-4 Solids, Liquids and Gases, Ch-5 Rocks and Minerals.

Q-1 Think and write.

1. In which rock did you find fossils? Why?

→ we found fossils in sedimentary rocks because these rocks are formed in layers at low heat and pressure thus fossils get preserved between layers.

2. Why are there no plants and animals on other layers of Earth?

→ The Earth is made of core, mantle and crust. The deeper layers like mantle and core are made of molten rocks and has higher temperature. only crust has access to air, water and sunlight.

3. Why does Pumice not sink in water?

→ Because pumice is formed by cooling of frothy lava. It is porous and lightweight. Thus does not sink in water.

4. Which one of them would be best suited for making statue. Marble/ Granite. Why?

→ Marble would be best suited for making statues because it is soft as compare to granite to sculpt.

5. Simran tried to mix sugar in cold water but was taking her lot of time. On her sister's suggestion, when she mixed sugar in water at room temperature, sugar got dissolved in few seconds? Why?

→ Because warmer water particles vibrating faster and there is lot more space between particles. This helps sugar dissolve faster.

6. We can fill a gas inside a closed bottle but not solid. Why?

→ Because solids have fixed shape and cannot flow but gas can flow easily and take up all the space available in a bottle.

7. Nikita had left a glass of milk on window sill last in night. Predict what would happen to the milk in the glass. Evaluate is it chemical or physical change. Give one reason to justify your answer.

Milk will spoil. It is a chemical change because new substance is formed.

Q.2 Identify the pictures and write the name of the rock.



Pumice



Gneiss



Granite



Slate

Q-3 Read the following two statements and choose the correct option.

A. Statement 1 - The Qutub Minar is made up of red sandstone.

Statement 2 - Metamorphic rocks preserve fossils.

a) Both statements 1 and 2 are correct.

☒ b) Statement 1 is correct but statement 2 is incorrect.

c) Statement 1 is incorrect but Statement 2 is correct.

d) Both statements 1 and 2 are incorrect.

B. Statement 1 - Liquids have definite volume and not shape.

Statement 2 - The molecules of solid are very closely packed.

☒ a) Both statements 1 and 2 are correct.

b) Statement 1 is correct but statement 2 is incorrect.

c) Statement 1 is incorrect but statement 2 is correct.

d) Both statements 1 and 2 are incorrect.

C. Statement 1 - Liquids have definite volume and not shape.

Statement 2 - The molecules of solid are very closely packed.

☒ a) Both statements 1 and 2 are correct.

b) Statement 1 is correct but statement 2 is incorrect.

c) Statement 1 is incorrect but statement 2 is correct.

d) Both statements 1 and 2 are incorrect.

D. Statement 1 - Melting of butter is an example of chemical change.

Statement 2 - Burning of paper is an example of chemical change.

a) Both statements 1 and 2 are correct.

b) Statement 1 is correct but statement 2 is incorrect.

☒ c) Statement 1 is incorrect but statement 2 is correct.

d) Both statements 1 and 2 are incorrect.

E. Statement 1 - Miscible liquids do not form uniform solution.

Statement 2 - Immiscible liquids form uniform solutions.

a) Both statements 1 and 2 are correct.

b) Statement 1 is correct but statement 2 is incorrect.

c) Statement 1 is incorrect but statement 2 is correct.

☒ d) Both statements 1 and 2 are incorrect.

Q-4 Look at the picture and answer the following.

A. Name the monument

Taj Mahal

B. Choose the Correct Option.

1) This monument is mainly made of:

☒ a) White marble

b) Red sandstone

c) Granite

2) Which type of rock is it?

a) Sedimentary rock

☒ b) Metamorphic rock

c) Igneous rock

3) Metamorphism means

☒ a) change

b) original

c) fire

4) This rock is formed from

a) granite

b) sandstone

☒ c) limestone

