

The City School

Science

Class 8

Reinforcement Worksheet

Topics: Ecology

Man's Impact on the Ecosystem

The Rock Cycle

Magnetism

Name: _____ Sec: _____ Date: _____

Q.1 Choose the correct answer.

1. Rocks on the surface of the Earth is primarily affected by:
 - A. weathering and erosion
 - B. heat and pressure
 - C. erosion and heat
 - D. heat and weight

2. Obsidian is rich in:
 - A. iron
 - B. cobalt
 - C. silica
 - D. calcium

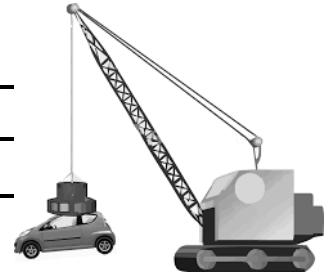
3. Sedimentary rock is formed in sequence of these processes:
 - A. deposition of sediments, compaction, cementation
 - B. compaction, deposition of sediments, cementation
 - C. deposition of sediments, cementation, compaction
 - D. cementation, deposition of sediments, compaction

4. A common sedimentary rock which is formed from plant material is:
 - A. limestone
 - B. coal
 - C. shale
 - D. both a and b

5. Fossils are found in:
- A. metamorphic and sedimentary rocks
 - B. only in igneous rocks
 - C. igneous and sedimentary rocks
 - D. sedimentary rocks only
6. Which rock type is made from heating and cooling?
- A. sedimentary
 - B. metamorphic
 - C. igneous
 - D. lava
7. An example of a natural magnet is:
- A. magnetite
 - B. ebonite
 - C. cobalt
 - D. nickel
8. When a magnet is suspended freely it always aligns itself in:
- A. North direction.
 - B. N-S direction
 - C. N-W direction
 - D. N-E direction
9. An association between two individuals or populations where both are benefitted and where neither can survive without the other is:
- A. Competition
 - B. Parasitism
 - C. Mutualism
 - D. Cooperation
10. Air, water, light, temperature and pH make up the:
- A. biotic environment
 - B. a biotic environment
 - C. ecosystem
 - D. food chain

Q.2 Some students have made a model of electromagnets used in scrapyards to lift scrap cars.

a. The crane must be able to drop the cars. How can this be done? Explain your answer.



b. At first the magnet they are using is not strong enough to lift the toy cars. Suggest two things that the students can do to solve this problem, using the same iron core.

c. Why are electromagnets used in junkyards to lift scrap cars?

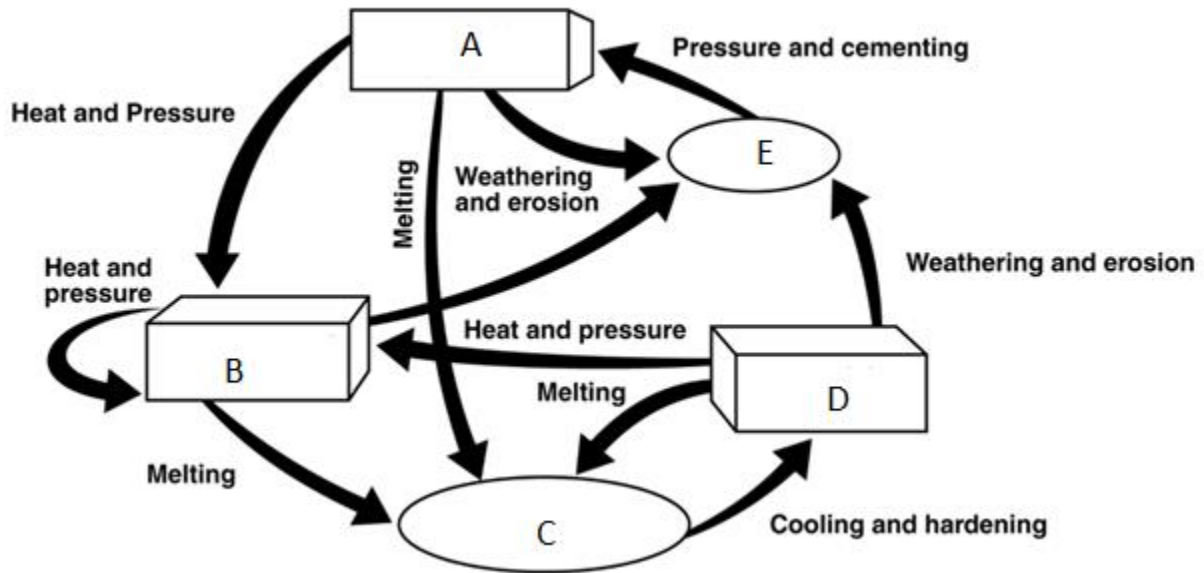
d. List down three uses of magnets.

Q.3a Classify the rocks given below in the appropriate column.

Sandstone tuff slate pumice shale quartzite gabbro gneiss

Sedimentary rocks	Metamorphic rocks	Igneous rocks

b. The diagram below shows the rock cycle.



Label the diagram:

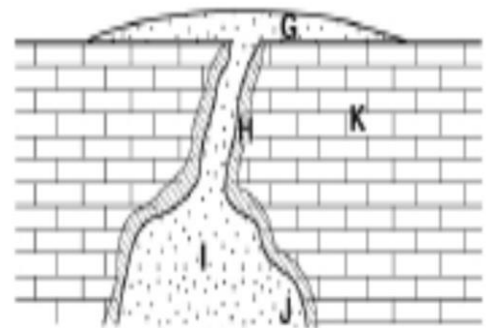
- I. A: _____
- II. B: _____
- III. C: _____
- IV. D: _____
- V. E: _____

Q.4 The rocks at G and I were formed when molten rock cooled down.

The magma at I cooled down more slowly than the lava at G.

Which rocks have larger crystals I or G, using ideas about particles. _____

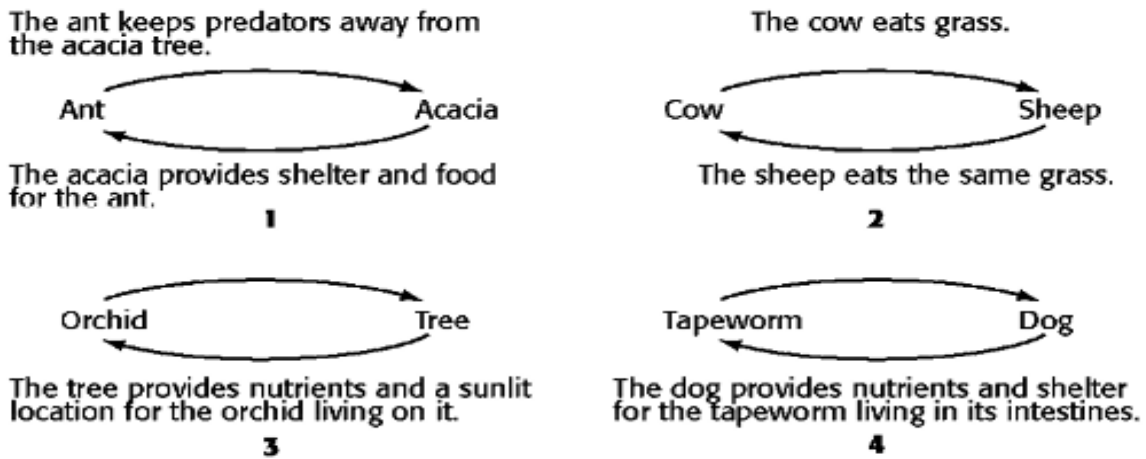
Is rock H sedimentary, igneous or metamorphic?



Q.5a State and describe the kind of relationship that exists between the following pairs of organisms:

- i. Oxpeckers and Ox:
- ii. Bumblebee and flower:
- iii. Strangler fig and host tree:

b. The diagram below shows different kinds of interactions between species.



Refer to the illustration above and identify the relationship shown in:

- i. Diagram 1: _____
- ii. Diagram 2: _____
- iii. Diagram 3: _____
- iv. Diagram 4: _____

c. Nutrients in an ecosystem are recycled by decomposers. How do plants benefit from the decay of dead and waste matter?
