

RISHIKUL SANATAN COLLEGE

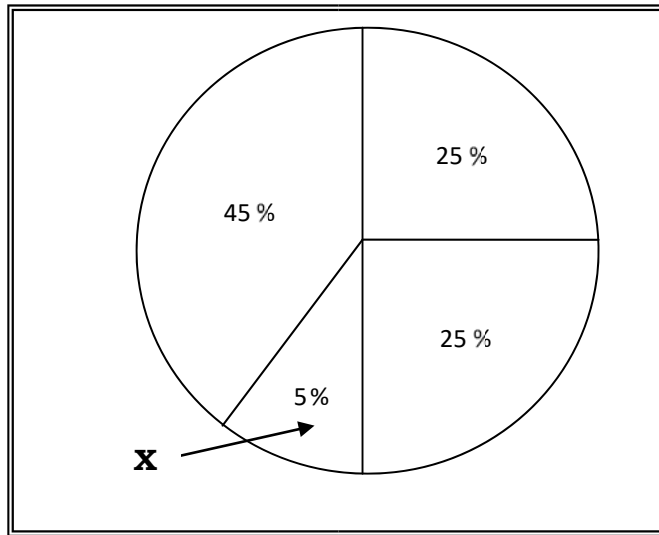
AGRICULTURE SCIENCE

YEAR 9 WORKSHEET 3- SOIL

1. The process by which rocks are broken into small particles is

- A. decomposition.
- B. weathering.
- C. eroding.
- D. tilling.

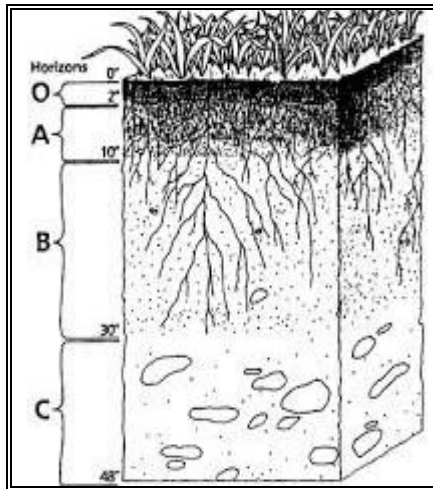
2. The graph below illustrates the components of an ideal soil.



The part labelled **X** represents

- A. air.
- B. water.
- C. organic matter.
- D. inorganic matter.

The diagram below illustrates a soil profile. Use the diagram to answer Questions 3 and 4



Source: <https://www.pinterest>

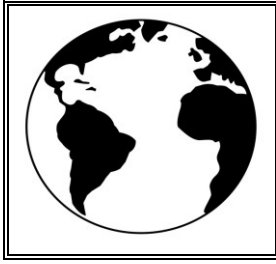
3. The horizon of the soil profile which contains the most organic matter is
- A. O.
 - B. A.
 - C. B.
 - D. C.
4. Another name for the **A** horizon of a soil profile is
- A. topsoil.
 - B. subsoil.
 - C. regolith.
 - D. bedrock.
5. Given below are the instructions for an experiment which students conducted during an Agricultural Science class.

1. Wash out an empty soft drink bottle or jar.
2. Fill softened soil into it up to $\frac{1}{4}$ full mark.
3. Add tap water and shake the bottle vigorously.
4. Leave the contents of the bottle to settle before observing the result.

What would students conclude at the end of this experiment?

- A. Organic material settled according to size.
- B. Organic material settled according to shape.
- C. Inorganic material settled according to size.
- D. Inorganic material settled according to shape.

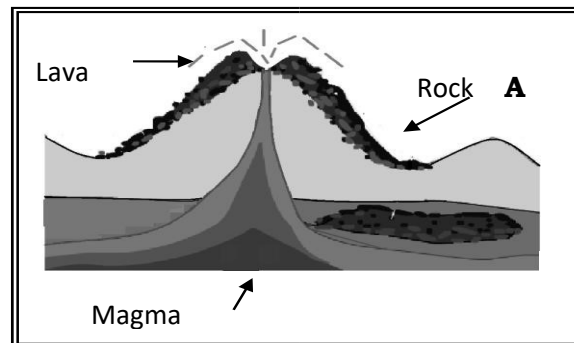
6. The diagram below illustrates the planet Earth.



Source: <http://www.sweetclipart.com>

How much of the surface of the Earth is made up of land which is **suitable** for farming?

- A. 11%.
 - B. 29%.
 - C. 18%.
 - D. 71%.
7. To make a soil with a **high water table** suitable for growing vegetables, a farmer would practice
- A. watering.
 - B. Irrigation.
 - C. drainage.
 - D. mulching.
8. The diagram below illustrates one way in which rocks are formed.

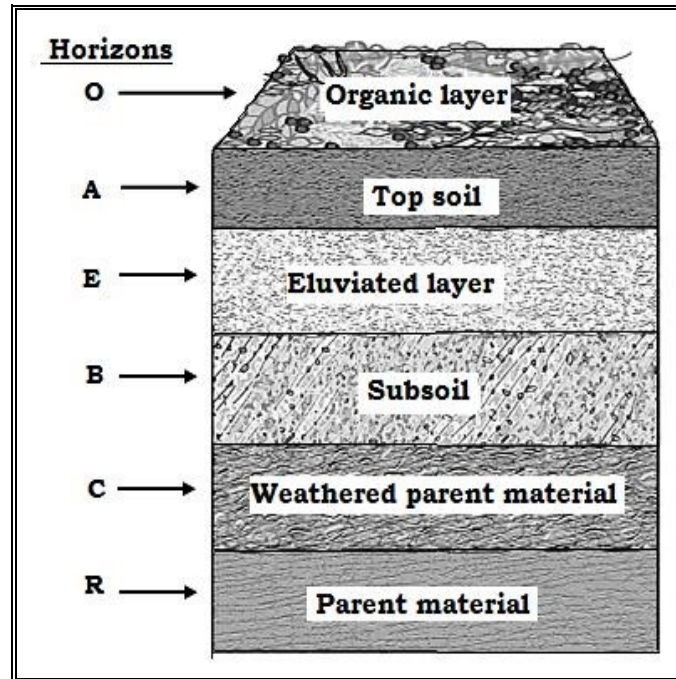


Source: Adapted from <http://www.eschooltoday.com>

Rock **A** is formed when lava from a volcano cools on the ground **surface** and is classified as

- a. sedimentary.
- b. metamorphic.
- C. intrusive igneous.
- D. extrusive igneous.

9. The diagram below illustrates a soil profile.



Source: Adapted from <http://www.studyblue.com>

The dark colour of the soil in the **A** Horizon is caused by

- a. soil air.
 - b. large rocks.
 - c. organic matter.
 - d. leached minerals.
10. Which of the following is an example of the **topography** of a farm?
- a. Level land
 - b. Strong wind
 - c. Power supply
 - d. Roadside sales