

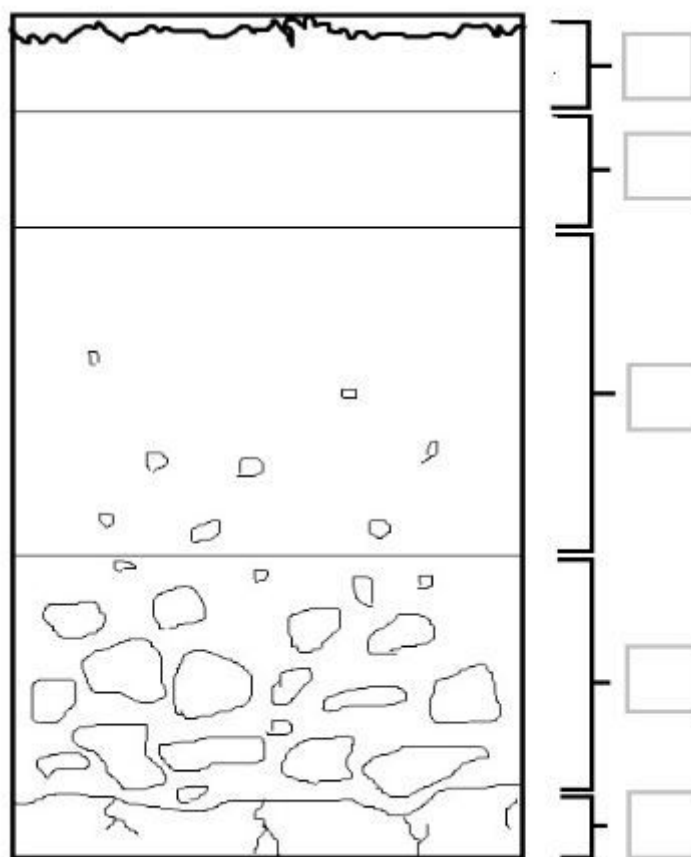
Answer all questions

Topic: Soil

Week 6

1. Define the term soil
2. Explain how the formation of soil occurs.
3. List the components of the soil.

Using the diagram below answer question 4



4. Next to each soil horizon put a letter that matches from the description below.

- **O** –This layer is called organic layer which is made of dead plant matter for the most part
- **D**- This layer has bedrocks that is beneath the soil
- **A** - This layer is called the top soil
- **B** - This layer is called the subsoil
- **C**- This layer is called parent material. It consisted of slightly weathered rocks called parent rocks

5. State the function of soil organisms.
6. Give five (5) examples of soil organisms.

Week 7

1. Define the terms acids and bases
2. Give two (2) examples of acids and bases found in the home
3. Identify four (4) characteristics of acids and four (4) characteristics of bases
4. A pH scale is used to determine whether a substance is an acid, a base or neutral. Using a box below draw a labeled diagram of a pH scale.



5. Acids react with carbonates to produce _____, _____
and _____
6. Tom and Jenny conducted an experiment in the laboratory. Tom react an acid and a base.
 - a. What is the name given to the reaction above?
 - b. State the products that are likely to form the reaction.
7. Explain what is meant by the term neutral.
8. Give two (2) examples of substance that are neutral.