



Name : -

Std.:- V -

Roll No :- _____

Worksheet - PA2 -01

Date : - _____

Chapter No. 8 soil Erosion and Conservation Chapter -10 volume weight and Density

Q-1 Choose the correct option

- 1) Soil erosion can be increased by:
 - a) planting trees
 - b) cutting down trees
 - c) Growing grass
- 2) Cover crops are planted to
 - a)protect the soil from erosion
 - b)making soil dry
 - c) increase paste
- 3) Terrace farming is often done on
 - a)flat planes
 - b) mountain slope
 - c) Sandy beaches
- 4) If you pour water from a tall narrow glass into a wide shallow bowl , what happens to the water volume?
 - a) it increases
 - b)it decreases
 - c) it stays the same
- 5) If an object has a mass of 20 grams and a volume of 4 cm^3 what is its density?
 - a) 5 g/cm^3
 - b) 8 g/cm^3
 - c) 10 g/cm^3
- 6) What will happen to a solid object that is denser than water when placed in water?
 - a) it will float
 - b)it will sink
 - c)it will dissolve

Q-2 Match the following.

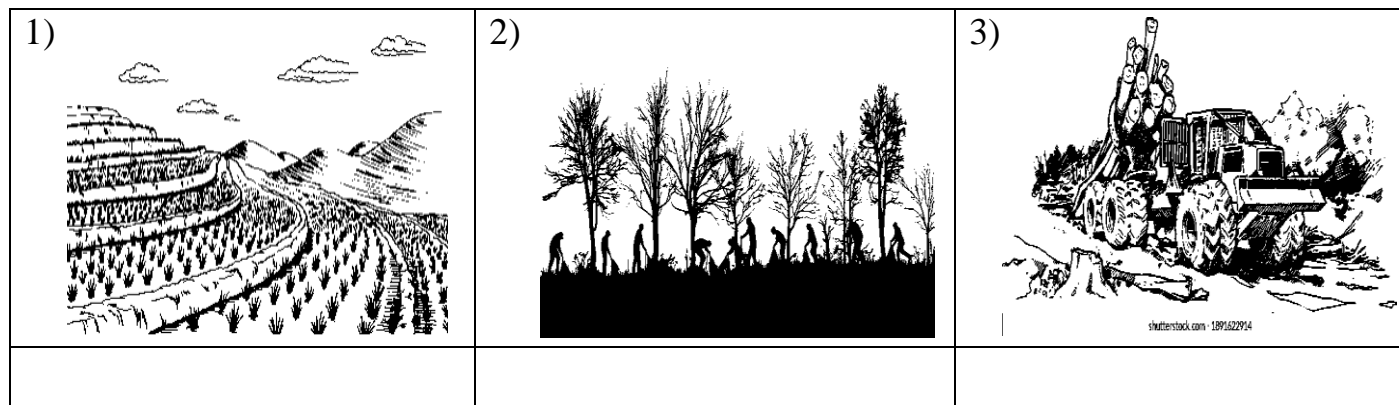
(A)

(B)

Ans:-

- | | | |
|--------------------|---|---------|
| 1) Humus | a. Planting trees to prevent soil erosion | 1-_____ |
| 2) Terrace farming | b. Natural decay of plants and animals | 2-_____ |
| 3) Afforestation | c. Mass per unit volume | 3-_____ |
| 4) Density | d. Space occupied by an object | 4-_____ |
| 5) Volume | e. Following on slopes in steps | 5-_____ |

Q-4 Identify the following pictures.



Q-3 State True or False.

- 1) Floating or sinking of an object depends upon its shape and density. _____
- 2) A measuring cylinder is used for measuring the weight of liquid. _____
- 3) Floods destroy crops and carry the top soil. _____
- 4) Different substances having the same volume may not have the same weight. _____
- 5) Milk is sold by weight. _____

Q-5 Read the following two statements and choose the correct option.

1) Soil was formed due to the erosion of rocks by wind, rain, and Sun.

Statement 2-Bunds prevent the water from carrying away valuable topsoil and destroying the crops.

- a) Both statement 1 and 2 are correct b) Statement 1 is incorrect but statement 2 is correct
c) Both statement 1 and 2 are incorrect d) Statement 1 is correct but 2 is incorrect

2. Statement 1-We measure the weight of objects in grams or kilograms.

Statement 2-A Brick is less dense than a block of wood of the same size.

- a) Both statement 1 and 2 are correct b) Statement 1 is incorrect but statement 2 is correct
c) Both statement 1 and 2 are incorrect d) Statement 1 is correct but 2 is incorrect

3. Statement 1-Both density and the shape of an object help it to float.

Statement 2-Density of an object can be found by multiplying its mass by its volume.

- a) Both statement 1 and 2 are correct b) Statement 1 is incorrect but statement 2 is correct
c) Both statement 1 and 2 are incorrect d) Statement 1 is correct but 2 is incorrect

Q-6) Think and answer.

1) If you put a small piece of clay and a large balloon in water, which one will sink and which one will float? Why do you think so?

2) Location A has many trees and location B has a lot of buildings with only one or two trees, which location will experience more soil erosion due to excessive rainfall? Why?
