

CLASS 10
SUBJECT – GEOGRAPHY
CHAPTER – SOILS OF INDIA

ANSWERKEY

1. Why are alluvial soils very fertile?

Ans. Alluvial soil are very fertile because-

- It is a transported soil which has many mineral content like lime, potash, iron and humus.
- It is made of the alluvium or silt brought down by the rivers.
- It is replenished by flood every year.
- It has moisture or water retentive capacity.

2. Identify the following soil:

- a. Found on the summits of western ghats. – laterite soil
- b. Called regur – black soil
- c. Hardens like iron when exposed to air. – laterite soil
- d. Covers maximum land area of India.- alluvial soil

3. Complete the following table:

Soil group	Characteristics
Alluvial soils	<ul style="list-style-type: none">• Transported soil.• Coarse in upper section, medium in the middle and finest in the delta. [any one]
Black soil	Can hold moisture and release during dry spell
Red soil	<ul style="list-style-type: none">• Not retentive to moisture• Sedentary soil i.e. in situ soil• Coarse , porous and crumbly [any one]
Laterite soil	Fertile minerals of top soil percolates

4. Give a geographical reason:

a. Black soil is called black cotton soil.

Ans. Black soil are called black cotton soil as cotton is the most grown crop in this soil. Cotton cultivation requires clayey soil and high moisture retention, black soil has these characteristics.

b. Alluvial soil found in the eastern coastal plain is black in colour.

Ans. The rivers flowing eastward and draining into Bay Of Bengal erodes the Deccan region ,which is made up of black crystalline schist, granite and basalt. as a result the sediments or the alluvium is darker in colour owing to it parent material .

5. Differentiate between Alluvial soil and Black soil.

Ans. The difference between Alluvial soil and Black soil are as follows.

ALLUVIAL SOIL	BLACK SOIL
<ul style="list-style-type: none">• Transported soil i.e. ex-situ soil• Formed by the deposition brought down by the rivers.• Mostly light yellow to dark brown in colour depending on the alluvium.	<ul style="list-style-type: none">• Sedentary soil i.e. in-situ soil.• Formed by the weathering of Deccan Trap region, which is of lava origin.• Vary from deep black to chestnut brown in colour.