**Liquid Limit:**

**Description:** A fine-grained soil can exist in four states, namely, liquid, plastic, semi-solid, or solid-state, depending upon the content of water in it. The water content at which the soil changes from one state to another state is named consistency limits or Atterberg limits.

**Formative Questions:**

1. A fine-grained soil can exist in \_\_\_\_\_\_\_state
2. Plastic c) Liquid
3. Semi solid **d) all the above**
4. The content of water at which the soil changes from one state to the other are known as \_\_\_\_
5. **Consistency limits** c) In consistency limit
6. Changing limits d) None of the above
7. In liquid limit \_\_\_\_\_gm of the soil sample is taken for the experiment.
8. 130 c) 140
9. **120** d) 135
10. The soil can be considered soft if the moisture content is lesser than the liquid limit.
11. **True**
12. False
13. The paste will have a consistency that will require \_\_ to \_\_ drops of the cup to cause the required closure of the standard groove
14. 20 to 25
15. **30 to 35**
16. 40 to 45
17. 50 to 55