

22. Observe the Fig.2.1 and answer the questions that follows.



Fig. 2.1

- (a) Write the name of the disease.
- (b) Name the causative agent of this disease?
- (c) How does the disease spread from one plant to another?
- (d) Name any two plant diseases and the microbes that cause them.

23. How do vaccines work?

25. Observe the Fig.2.3 and answer the following questions.

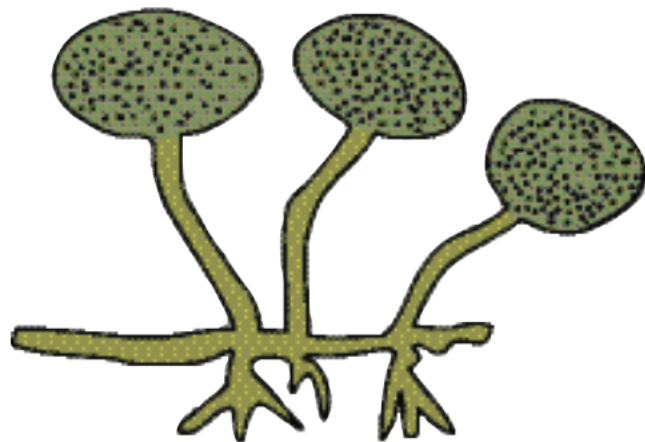


Fig. 2.3

- (a) Name the microorganism and the group to which it belongs.
- (b) Name the food item on which the organism grows.
- (c) Does it grow well in dry or in moist conditions?
- (d) Is it safe to eat infected bread?

- (a) A chemical process in which a substance reacts with oxygen to give off heat is called _____.
- (b) Wood, paper, CNG are _____ substances.
- (c) The lowest temperature at which a substance catches fire is called its _____ temperature.
- (d) Ignition temperature of _____ is lower than that of wood.
- (e) The substances which have very low _____ temperature and can easily catch fire with a flame are called _____ substances.
- (f) The amount of heat energy produced on complete combustion of 1kg of a fuel is called its _____.

35. The calorific values of petrol and CNG are 45000 kJ/kg and 50,000 kJ/kg, respectively. If you have vehicle which can run on petrol as well as CNG, which fuel will you prefer and why?

31. You are provided with three watch glasses containing milk, petrol and mustard oil, respectively. Suppose you bring a burning candle near these materials one by one, which material(s) will catch fire instantly and why?

34. Give two examples each for a solid, liquid and gaseous fuel alongwith some important uses.