

# Quiz No 1

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## Answer the following questions:

### 1- Write the scientific term:

- 1- It is a concept given to the scientific study of food and various modes of nutrition of living organisms
- 2- Organisms that can make their own food by themselves like green plants,
- 3- Organisms obtain their food as high energy food from the bodies of plants or animals
- 4- Organisms that are divided into carnivores, herbivores and omnivores
- 5- Organisms that feed on the flesh of animals - e.g. Cats, Dogs, and eagles.
- 6- Organisms that feed on plants e.g. Rabbits, Cattle, and horses.
- 7- Organisms that feed on plants and animals e.g. Man
- 8- Organisms that obtain their food either ready-made or partially prepared from their host , Of course they are harmful to the host e.g. Bilharzia worms
- 9- Organisms that obtain their liquid food from the decayed remains of dead organisms .e.g. fungi .

### 2- Complete the following:

- 1- ..... is an elongated extension from a plant cell that is covered by a thin layer of cytoplasm
- 2- Length of root hair = ..... and it's life span ranges from ..... to .....
- 3- Root has an area called ..... zone that always give rise to new cells that will replace the damaged cells
- 4- Root hairs have a very ..... wall to allow the passage of water and salts
- 5- Root hairs are ..... in number to increase surface area and absorb more water and mineral salts
- 6- Concentration of the sap in root hair is ..... than concentration of the soil
- 7- Root hairs Secrete ..... substance to facilitate penetration of the plant to the soil and fix the plant to the soil
- 8- Movement of ions or molecules from ..... concentration area to a ..... concentration one is called diffusion
- 9- ..... permeable membrane such as cellulose allows water and mineral salts to pass
- 10- Examples of impermeable membranes are ....., ..... and .....
- 11- Plasma membranes are ..... permeable or ..... permeable membranes .
- 12- Water transfers from ..... concentration of water (..... concentration of salts) to a ..... concentration of water (..... concentration of salts)
- 13- ..... particles of the plant absorb water and increase in size then it ripen and the walls of the plant cells absorb water to perform its vital activities
- 14- Terrestrial desert plants and the plants of salty soil have a very ..... atmospheric pressure
- 15- Ordinary plants have O.P =..... to..... A.P
- 16- Salt land and desert plants ..... have O.P = ..... to..... A.P

### 1- Give reasons for:

- 1- Root hairs have short life span
- 2- In spite of the damage of the root hairs plants compensate them
- 3- Root hair has a very thin wall
- 4- Root hairs are great in number
- 5- Concentration of the cell sap is greater than concentration of the soil
- 6- Root hairs secrete viscous substance
- 7- Terrestrial desert plants and the plants of salty soil have a very high atmospheric pressure

Best wishes  
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