8D Unicellular Organisms

Draw a ring around a number of stars for each statement. If you are very confident about a statement, draw your ring around all the stars. If you do not know anything about a statement do not draw a ring.

| Topic | At the end of the unit: |  |
| --- | --- | --- |
| 8Da | | |
|  | Recall the five kingdoms of organisms. | \* \* \* \* \* |
|  | Explain why multicellular organisms need efficient transport systems. | \* \* \* \* \* |
|  | Explain how materials enter and leave unicellular organisms. | \* \* \* \* \* |
|  | Use the characteristics of microorganisms to classify them into kingdoms. | \* \* \* \* \* |
| 8Db | | |
|  | Recall the conditions under which yeast grow quickly. | \* \* \* \* \* |
|  | Recall what happens in aerobic and anaerobic respiration in yeast. | \* \* \* \* \* |
|  | Explain how yeast can be used to make both alcoholic drinks and bread. | \* \* \* \* \* |
|  | Describe how yeast reproduce asexually by budding. | \* \* \* \* \* |
|  | Explain what is happening in the different parts of a growth curve. | \* \* \* \* \* |
| 8Dc | | |
|  | Recall the conditions under which bacteria grow quickly. | \* \* \* \* \* |
|  | Explain why bacteria are used to make yoghurt. | \* \* \* \* \* |
|  | Describe, identify and state the basic functions of the parts of a bacterial cell (soft cell wall, flagella, cytoplasm, cell membrane, chromosome). | \* \* \* \* \* |
|  | Describe how bacteria reproduce asexually by binary fission. | \* \* \* \* \* |
|  | Explain why bacteria grow well in certain conditions. | \* \* \* \* \* |
| 8Dc Working Scientifically | | |
|  | Extract simple information from pie charts. | \* \* \* \* \* |
|  | Present data in pie charts. | \* \* \* \* \* |
|  | Identify when to use a pie chart. | \* \* \* \* \* |
| 8Dd | | |
|  | Recall the conditions under which algae grow quickly. | \* \* \* \* \* |
|  | Describe, identify and state the basic functions of common parts of protoctist cells (cell wall, flagella, cilia, pseudopods, cytoplasm, cell surface membrane, mitochondria, chloroplasts, nucleus). | \* \* \* \* \* |
|  | Explain the functions of light and chlorophyll in photosynthesis. | \* \* \* \* \* |
| 8De | | |
|  | Give examples of decomposer microorganisms. | \* \* \* \* \* |
|  | State the names of compounds in which carbon is held in an ecosystem. | \* \* \* \* \* |
|  | Explain the importance of decomposers in an ecosystem. | \* \* \* \* \* |
|  | Model the recycling of carbon in an ecosystem using the carbon cycle. | \* \* \* \* \* |