a



**Science**

**Cohort** Primary

**Country** Afghanistan

**Language** English/Dari



**Note:** This is an assessment used in classrooms for the Schools2030 programme. It is being shared to demonstrate the approaches to assessment that Schools2030 is developing.

For those interested in using or adapting this tool, further information including teacher guides, psychometric analysis, and other supplementary materials are available on request.



|  |
| --- |
| **SCIENCE** |

|  |  |
| --- | --- |
| ITEM 1 | **GENERAL SCIENCE KNOWLEDGE**  **Please answer the questions below in a few words.**   1. Name main parts of a plant.   **Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**   1. What are objects that do not allow light to pass through called?   **Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  3. Name at least five vegetables that are eaten raw?  **Answer:**  1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  |

|  |  |
| --- | --- |
| ITEM 2 | An incomplete electric circuit is shown below. The lightbulb is not lit. Which object placed at point A would complete the circuit and light the bulb? Choose the right answer in your booklet.  Text Box |
|  |
|  |
|  | |  |  |  | | --- | --- | --- | | **A.** | A plastic tube |  | | **B.** | A piece of dry wood |  | | **C.** | A metal nail |  | | **D.** | None |  | |

|  |  |
| --- | --- |
| ITEM 3 | The above diagram shows the Earth revolving around the Sun. Letters A and B show two locations in the Earth’s orbit around the Sun. It takes the Earth one year to revolve around the Sun. How long will it take for Earth to travel from point A to point B? Circle the correct answer below.  Diagram  Description automatically generated |
|  |
|  |
|  | |  |  |  | | --- | --- | --- | | **A.** | 1 month |  | | **B.** | 3 months |  | | **C.** | 6 months |  | | **D.** | 9 months |  | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ITEM 4 | Now, please tell me which unit of measurement should be used to describe the mass of an apple? Choose the correct answer below.   |  |  |  | | --- | --- | --- | | **A.** | Gram |  | | **B.** | Litre |  | | **C.** | Minute |  | | **D.** | Meter |  | |
|  |
|  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ITEM 5 | Which colour would absorb the most light on a sunny day? Please choose the correct answer below.   |  |  |  | | --- | --- | --- | | **A.** | Pink |  | | **B.** | Black |  | | **C.** | White |  | | **D.** | Yellow |  | |
|  |
|  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ITEM 6 | Which force causes a football to fall to the ground after it has been kicked up in the air? Please choose the correct answer below.   |  |  |  | | --- | --- | --- | | **A.** | Erosion |  | | **B.** | Friction |  | | **C.** | Gravity |  | | **D.** | Magnetism |  | |
|  |

|  |  |
| --- | --- |
| ITEM 7 | Look at the below drawing of a plant. It shows a flowering plant as well as the different structures that help the plant survive, grow, and reproduce. Use it to answer the following questions:  Which structure takes in water and nutrients from the soil? Choose the correct answer below.  Science: Parts Of A Plant And Their Function - Lessons - Blendspace |
|  |
|  |
|  | |  |  |  | | --- | --- | --- | | **A.** | Flower |  | | **B.** | Leaf |  | | **C.** | Roots |  | | **D.** | Stem |  | |  |  |  | |
| ITEM 8 | Look again at the diagram we just worked on.  What is the main source of energy for all of the organisms in most food chains? Choose the correct answer below.   |  |  |  | | --- | --- | --- | | **A.** | Sunlight |  | | **B.** | Wind |  | | **C.** | Oxygen |  | |
|  |
|  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ITEM 9 | According to you, which of the following activities will help conserve Earth’s natural resources? Choose the correct answer below.   |  |  |  | | --- | --- | --- | | **A.** | Leaving the television on all day |  | | **B.** | Recycling plastic bottles |  | | **C.** | Cutting down trees |  | | **D.** | Burning trash in the yard |  |   Why do you think so? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  |
|  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ITEM 10 | Look at the next diagram. Where do you think you should stand in order to lift the heavy load with less effort?  Diagram, shape  Description automatically generated   |  |  |  | | --- | --- | --- | | **A.** | At Point A |  | | **B.** | At Point B |  | | **C.** | At Point C |  | |
|  |