Name: _____ Date: _____

Agricultural Science Assessment

Shoot and Root Systems

Grade 6

SECTION A *Choose whether the statement is TRUE or FALSE.*

1. The shoot system has three parts, leaves, flower and stem.
   TRUE FALSE

2. The stem holds up the leaves so they can absorb sunlight.
   TRUE FALSE

3. The stem carries water and minerals from the roots to all parts of the plant.
   TRUE FALSE

4. The leaves make food through the process called photosynthesis.
   TRUE FALSE

5. In order for plants to make food, it needs water, oxygen and sunlight.
   TRUE FALSE

SECTION B *Choose the most appropriate answer*

1. Pollinators are attracted to the
   a) Leaves b) Stem c) Sepals d) Petals

2. The _____ anchor the plant in the soil.
   a) Stems b) Roots c) Branches d) Seeds

3. Plants make food in their
   a) Roots b) Seeds c) Leaves d) Stem

4. The _____ grows into the shoot system.
   a) Xylem b) Radicle c) Phloem d) Plumule

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5. Water enters plants through their
   a) Roots b) Leaves c) Flowers d) Mouth

6. What is the female reproductive part of a flower called?
   a) Calyx b) Pistil c) Stamen d) Anther

7. The _____ grows into the root system.
   a) Xylem b) Radicle c) Phloem d) Plumule

8. The _____ root system is thick and bushy.
   a) Fibrous b) Tap c) Adventitious d) Tuber

9. What is the small openings on the underside of leaves called?
   a) Nostrils b) Filament c) Testa d) Stomata

10. The male reproductive part of a flower is called the
    a) Calyx b) Pistil c) Stamen d) Style

SECTION C *Match the words on the left to the correct definition on the right.*

Germination	The joining of female and male cells.
Pollination	A cluster of flowers on the same stalk.
Photosynthesis	The process of changing from a seed to a seedling.
Fertilisation	The transfer of pollen grains from the anther to the stigma
Inflorescence	The process whereby plants make their own food.

SECTION D *Use the words from the word bank to fill in the blanks.*

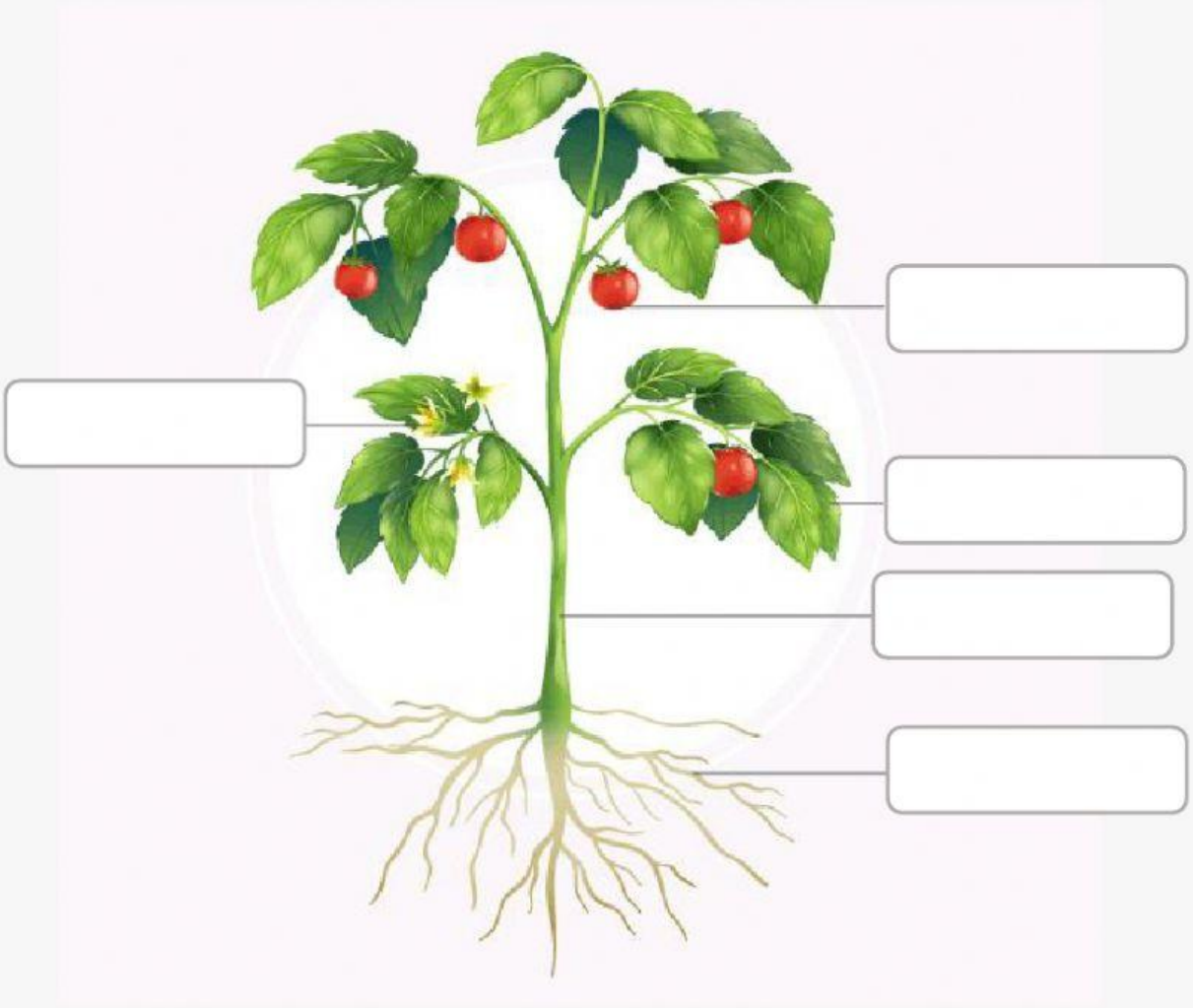
sunlight	leaves	photosynthesis	roots	carbon dioxide

Water enters the plant through the _____ and moves through the stem to where it is needed in the _____. Once there, it is combined with _____

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and uses the energy from the _____ to make glucose through a process called _____.

SECTION E *Label the diagram correctly.*



END OF TEST

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