Plants Test

1. Circle True or False:
   a) All plants grow from seeds. T F
   b) The purpose of fruit is to be eaten. T F
   c) We eat many different parts of plants. T F
   d) Seeds need soil to grow into seedlings. T F
   e) Some plants take many years before they produce seeds. T F
   f) Leaves can be sorted as “simple” and “compound”. T F
   g) Plants are defenceless (they cannot protect themselves). T F
   h) Bees are the only animals that pollinate. T F
   i) Photosynthesis has to do with pictures. T F

2. Put these words in order: egg, stamen, flower, seed, pistil, pollen.

   1. Stamen
   2. Pollen
   3. Pistil
   4. Egg
   5. Seed
   6. Flower

3. Name the two special parts of a flower and explain what their job is.
   Stamen - produces pollen to be transferred to other plants
   Pistil - collects the pollen so that the eggs can grow into seeds
   This is called pollination, and it is necessary for life to exist.
4. Complete the Venn diagram by making a list of the things plants need, the things animals need and the things that they both need. Be sure to label your diagram.

**Animals**
- shelter
- oxygen

**Plants**
- water
- warmth
- food (nutrition)
- space
- sun

**Common Needs**
- soil
- carbon dioxide

5. Describe, as best you can, photosynthesis.

The plants take water from the soil and carbon dioxide from the air, the sun then provides the energy to take them apart and then reassemble them as glucose (plant food), and the left-overs, which are oxygen, are discarded. This is necessary for all living things to get energy.

6. Name 5 ways people rely on or use plants?

   1. **Food**
   2. **Oxygen**
   3. **Clothes**
   4. **Shelter**
   5. **...etc**
7. Choose one or two of the things you listed in question #6 and describe how or why humans rely on the plant for that reason.

   Food - Animals can not make food, only plants can, so we need them for our energy.

   Oxygen - Plants produce oxygen through photosynthesis.

   etc.

8. Where are some different places we grow food (we learned about five in class)?

   Farms, orchards, gardens, green houses or the wild.

9. Name one advantage and one disadvantage of organic food.

   Advantages - Healthier, no chemicals, better for the environment, etc.

   Disadvantages - Do not stay fresh as long, more expensive, not as much selection, etc.

10. Describe an environmental condition that could threaten plant survival. Be sure to detail your answer.

    Many possible answers.
## Plants

<table>
<thead>
<tr>
<th>Carbon dioxide</th>
<th>Glucose</th>
<th>Sap</th>
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<tbody>
<tr>
<td>Compound</td>
<td>Leaf</td>
<td>Seed</td>
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<tr>
<td>Cotton</td>
<td>Nectar</td>
<td>Seedling</td>
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<tr>
<td>Egg</td>
<td>Organic</td>
<td>Simple</td>
</tr>
<tr>
<td>Flower</td>
<td>Oxygen</td>
<td>Stamen</td>
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<tr>
<td>Food</td>
<td>Photosynthesis</td>
<td>Stem</td>
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<td></td>
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<td>Water</td>
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<td></td>
<td>Roots</td>
<td>Xylem</td>
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</tbody>
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