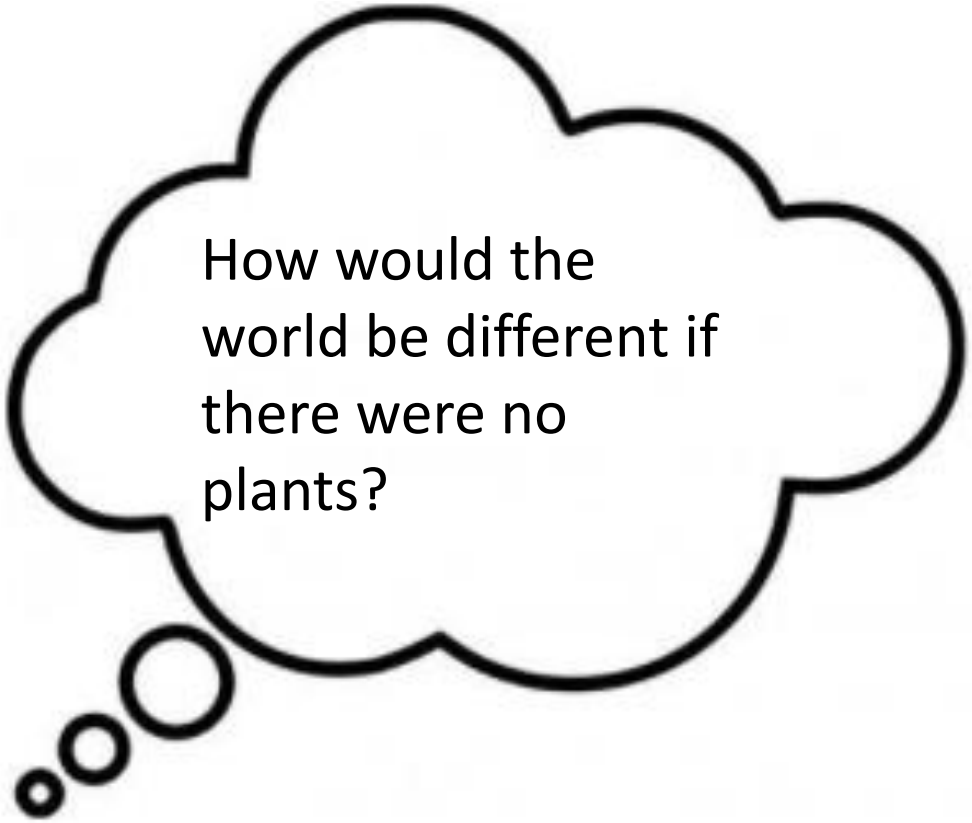
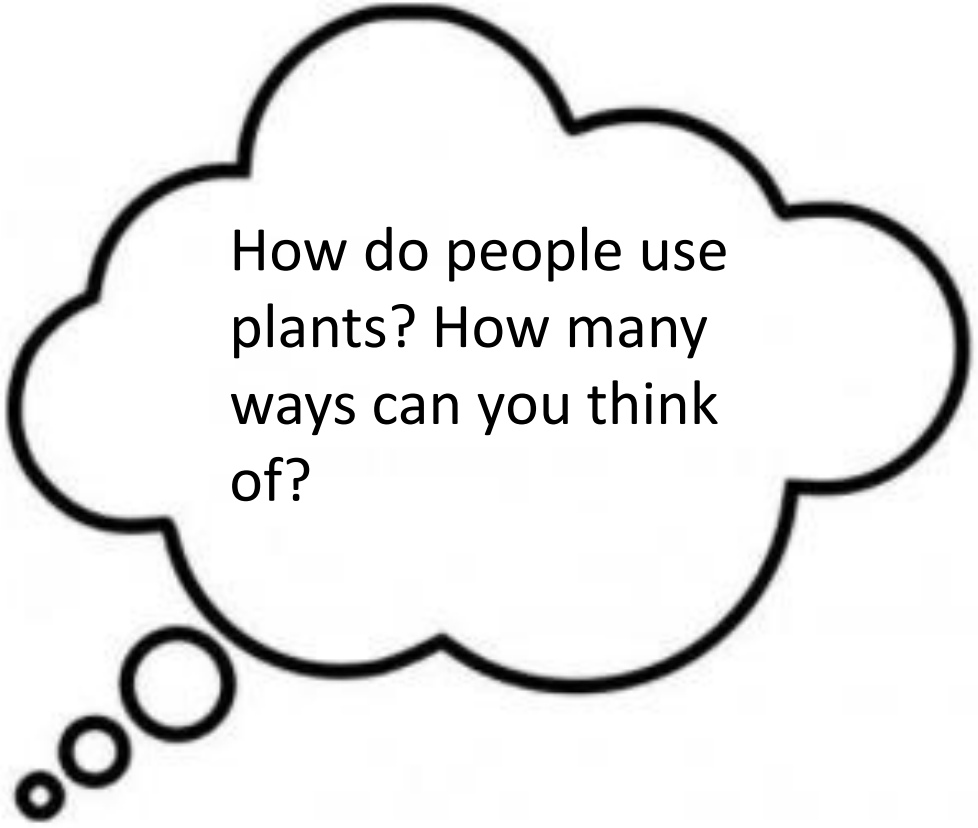
Science: plant biology

Lesson 2

- Curiosity questions:

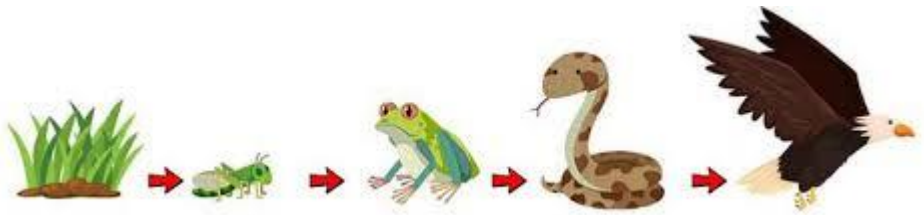




- Answers:

How would the world be different if there were no plants?

If there were no plants, there would be no life on Earth! Plants are at the beginning of every food chain. They use sunlight to make energy, which is transferred to the animals that eat the plants.



If there was no plant in the above food chain, the grasshopper would have nothing to eat, so the frog would have nothing to eat, so the snake would have nothing to eat, so the hawk would have nothing to eat!

How do people use plants? How many ways can you think of?

- Food and drinks
- Medicine
- Decoration
- Clothes
- Paper
- Fuel
- Building materials
- Gifts
- Dyes
- Any more?

Label the parts of this plant using these words:

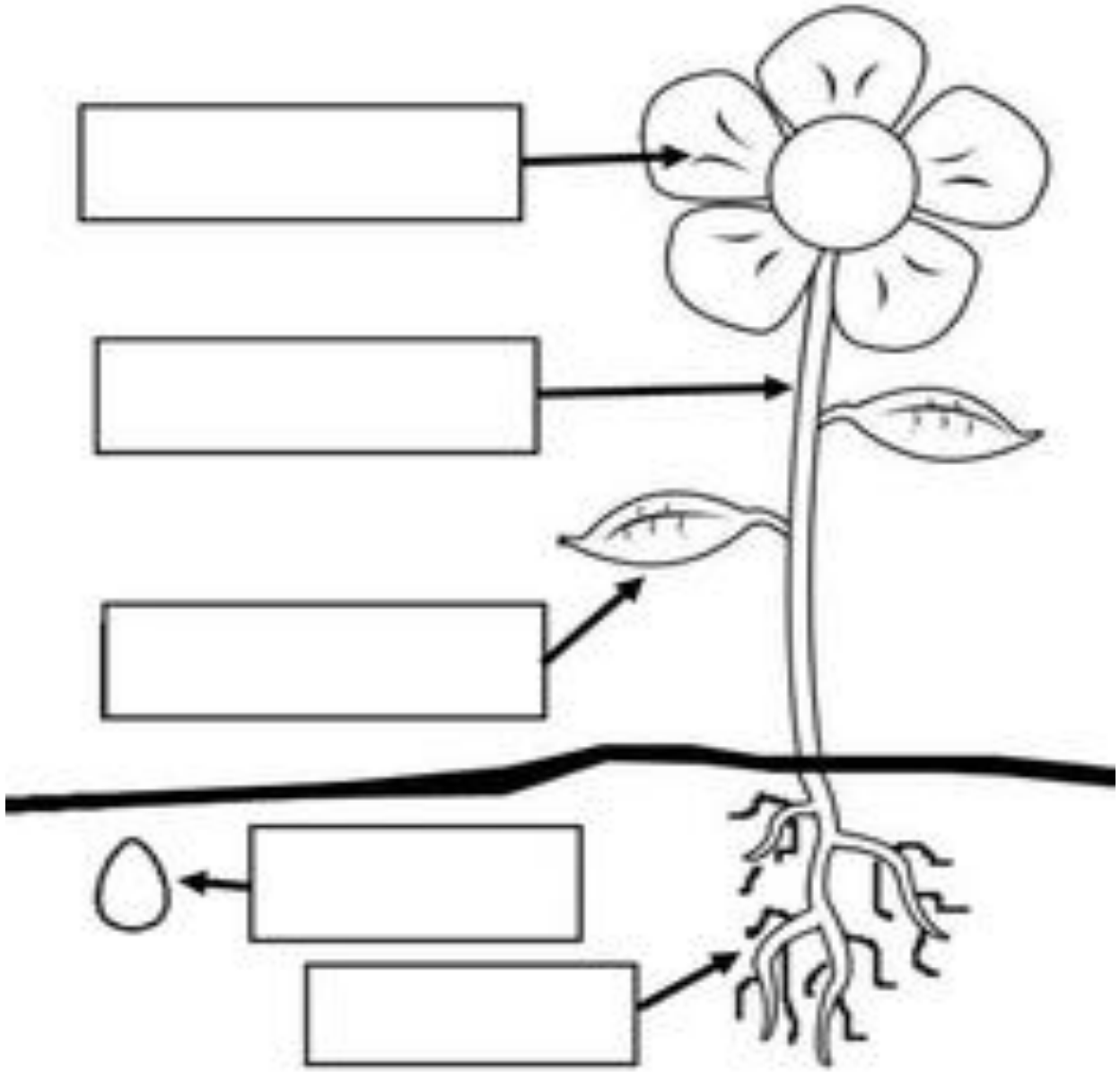
Leaf

Stem

Roots

Flower

Seed



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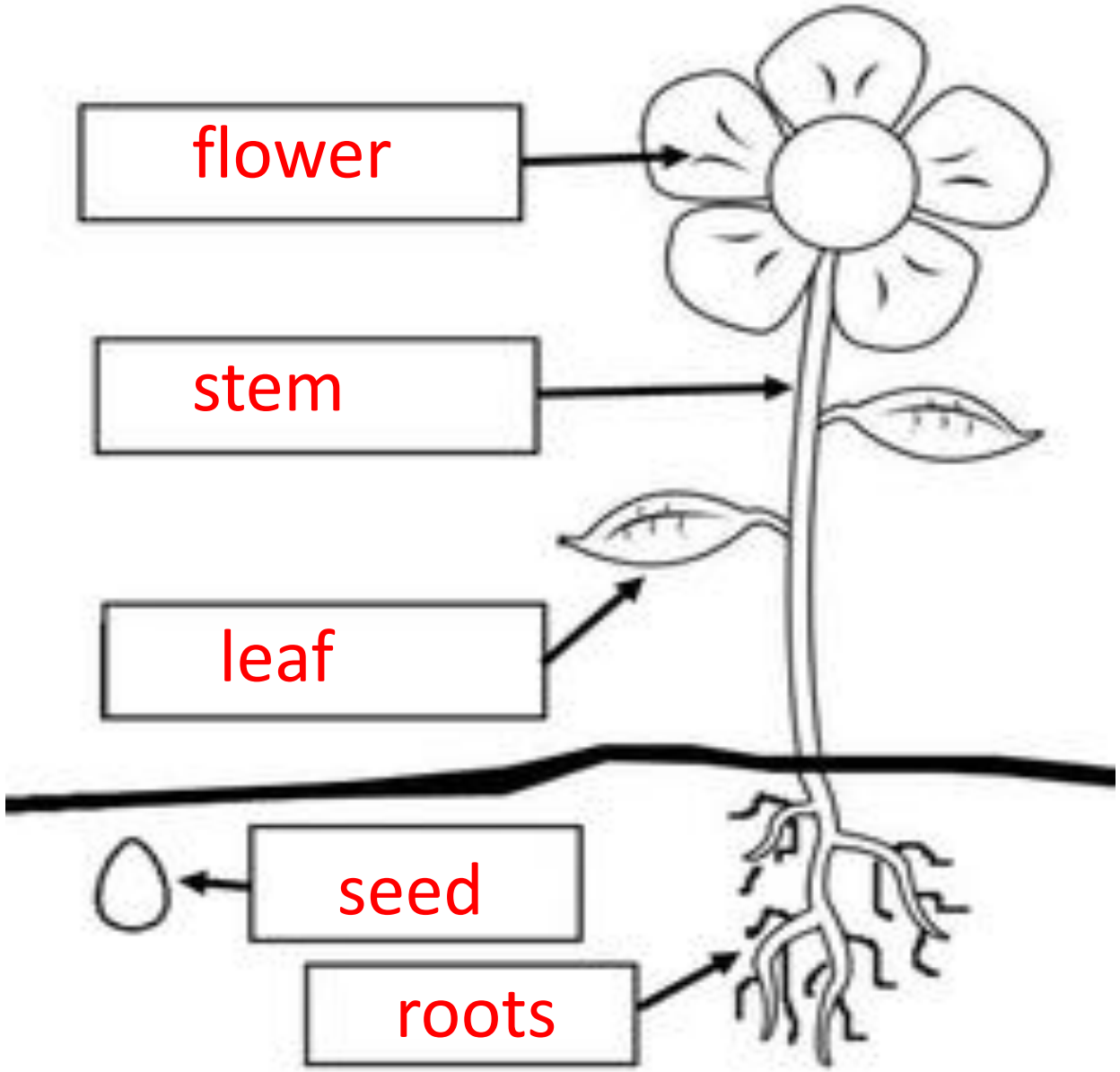

Complete these sentences using the key words at the bottom of the page.

1) The …… of a plant take up water and nutrients from the soil.

2) The…… also keep the plant steady and upright in the soil.

3) The ……. carries water and nutrients to different parts of the plant.

4) The …… use light from the sun, along with carbon dioxide from the air and water to make food for the plant. This process is called photosynthesis.

5) Some plants have …….. These are involved in reproduction and produce …….. from which new plants grow.

leaves	leaves	flowers	roots	stem	roots

Answers

1) The roots of a plant take up water and nutrients from the soil.

2) The roots also keep the plant steady and upright in the soil.

3) The stem carries water and nutrients to different parts of the plant.

4) The leaves use light from the sun, along with carbon dioxide from the air and water to make food for the plant. This process is called photosynthesis.

5) Some plants have flowers. These are involved in reproduction and produce seeds from which new plants grow.

leaves	leaves	flowers	roots	stem	roots

Investigate

- Find a plant in your garden or in your local area.
- Stick it to a piece of paper (or photograph or draw it) and label the parts using our key vocabulary (roots, stem, leaves, flowers, seeds).
- Your plant may not have all the parts – that's fine!
- Aim higher: write some sentences about what each part of the plant does.
- *You could even* make a video of yourself talking about the parts of the plant.
- Please upload your work to your Dojo portfolio

Example: