New Plants!

Procedure

1. Observe Examine the spider plant. Observe the different structures you find.

2. Record Data In the space below, make a drawing of the leaves of the plant. Write any observations on the lines below.

3. Measure Cut off a stem, about 8 cm long, with a small cluster of leaves at the end. Place the stem in a jar filled with water.

4. Observe Each day for several days, examine the stem. Note any changes or new growth. Refill the jar with water as necessary.

5. Record Data Write your observations on the lines below.
Conclusion

Write the answers to the questions below.

1. **Infer** Based on your observations, how do you think the stem began to grow?

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2. **Compare and Contrast** How is this form of reproduction different from reproduction with flowers and seeds?

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3. **Hypothesize** What do you think would happen if you planted the new roots in soil? Explain.

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4. **Infer** How do you think spider plants reproduce in the wild?

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**Investigate More!**

**Design an Experiment** Which plant parts can be cut away and grown into new plants? How large must a cutting be to survive? Design an experiment to help answer either of these questions. Run the experiment with your teacher’s permission.