

A Comparison of Reproduction Types

What could you infer about these spider plantlets based on the video and graphic shown below? Please place a "T" for "True" next to any statements that would be correct for the graphic represented below.

1. All of the plantlets are identical to the parent plant.
2. All of the plantlets are identical to each other.
3. The plantlets have a different **genetic code** from the parent plant.
4. This represents **asexual reproduction**.
5. This specific process involves **gametes**.
6. The plantlets are the same size as the parent plant.
7. This specific process involves a male and female plant.
8. The plantlets are **uniform**.
9. There is **genetic variation** among the plantlets.
10. Each plantlet is a **clone** of the parent plant.
11. This represents **sexual reproduction**.
12. This type of reproduction also includes **binary fission** and **budding**.
13. This requires two organisms to produce offspring.
14. This requires only one organism to produce offspring.
15. The **DNA** would be the same in the parent plant and offspring.
16. **Fertilization** occurs in this type of reproduction.

