

Science 9  
Reproduction and Cell Division pg 159-161  
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Using your notes and after reading pages 159-161 answer each of the following questions in sentence form on a separate sheet of paper to be passed in.

1. What is cell division? (1)
2. What are the two types of reproduction? (1)
3. What is asexual reproduction? Give an example of an organism that reproduces asexually.(2)
4. What is sexual reproduction? (1)
5. How is asexual reproduction different from sexual reproduction? (2)
6. What is a zygote? (1)
7. How is the zygote, produced by sexual reproduction different from the daughter cells produced by asexual reproduction. (1)
8. Give an example of an organism that reproduces both ways sexually and asexually. (1)
9. Identify the type of asexual reproduction in each situation: (3)
  - a. A multi-cellular algae is struck by a wave. The algae breaks apart and each new piece grows into a new organism.
  - b. A new tree begins to grow from the root of a nearby tree.
  - c. A small cell begins to grow on the outside of another cell. Eventually it breaks away from the larger cell and continues to grow.
10. Why must the genetic material of the cell be duplicated before cell division begins? (1)