

Name: _____ Date: _____ Period: _____

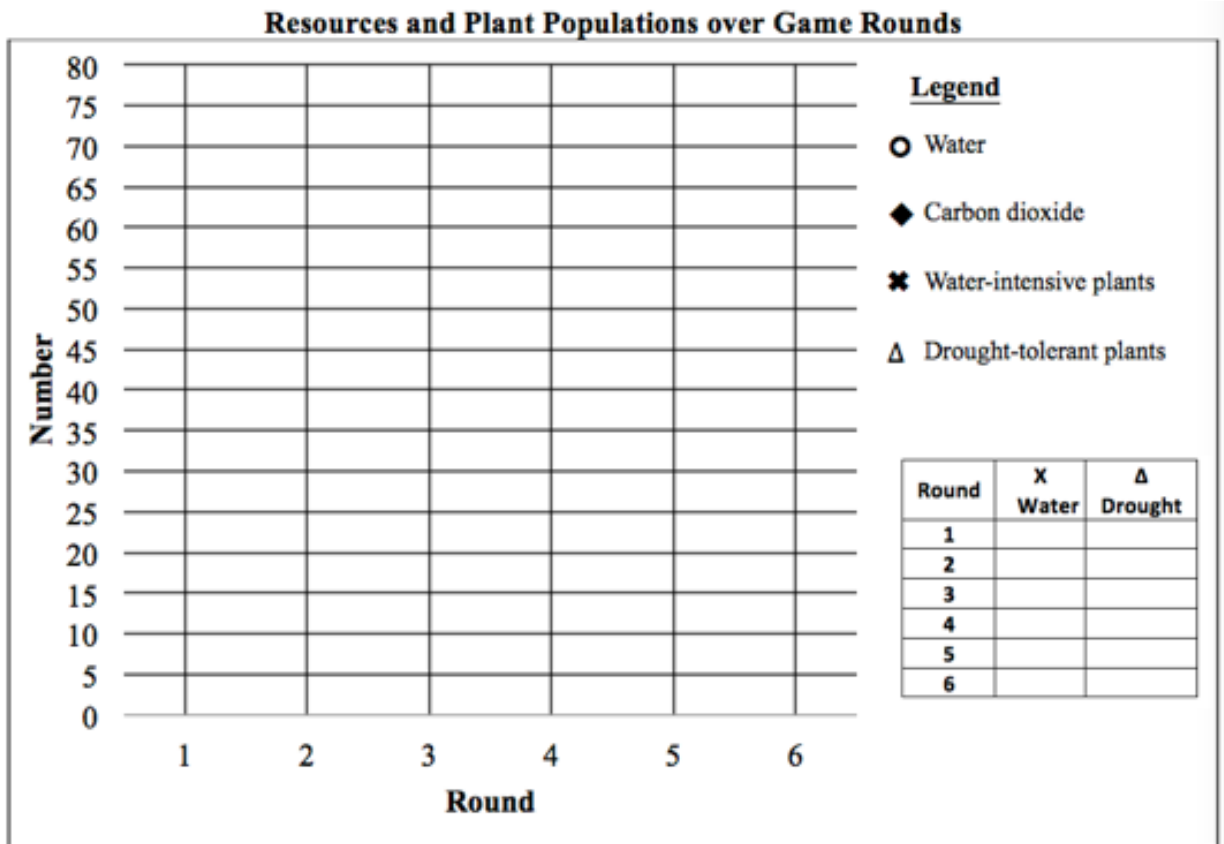
Ready, Set, Grow!

Focus Question

1. What do plants need to live? Circle the limiting resource(s) in the ecosystem as climate change intensifies.

Game Graph

Using the symbols indicated in the legend, denote the number of water cards, carbon dioxide cards, water-intensive plants, and drought-tolerant plants at the beginning of each round. At the end of the game, connect the corresponding symbols with a line.



Results

1. Which plant population tended to have more individuals during most of the game rounds?
 - a. Water-Intensive Plants
 - b. Drought-Tolerant Plants
 - c. Neither

2. At the conclusion of the game, which plant population had more individuals?
 - a. Water-Intensive Plants
 - b. Drought-Tolerant Plants
 - c. Neither

Conclusions

1. Based on the results of this game, are plant populations more likely or less likely to survive in areas with limited water resources due to intensifying climate change conditions?
 - a. Plant populations are more likely to survive
 - b. Plant populations are less likely to survive

2. Use the map of New Mexico to answer the following questions.
 - a. Find your location on the map. How much annual rainfall does this area get?

 - b. How do you think your area will be affected by climate change?

 - c. What are some actions communities in your area can take in response to decreased precipitation and increased temperatures as a result of climate change?