

Name: _____

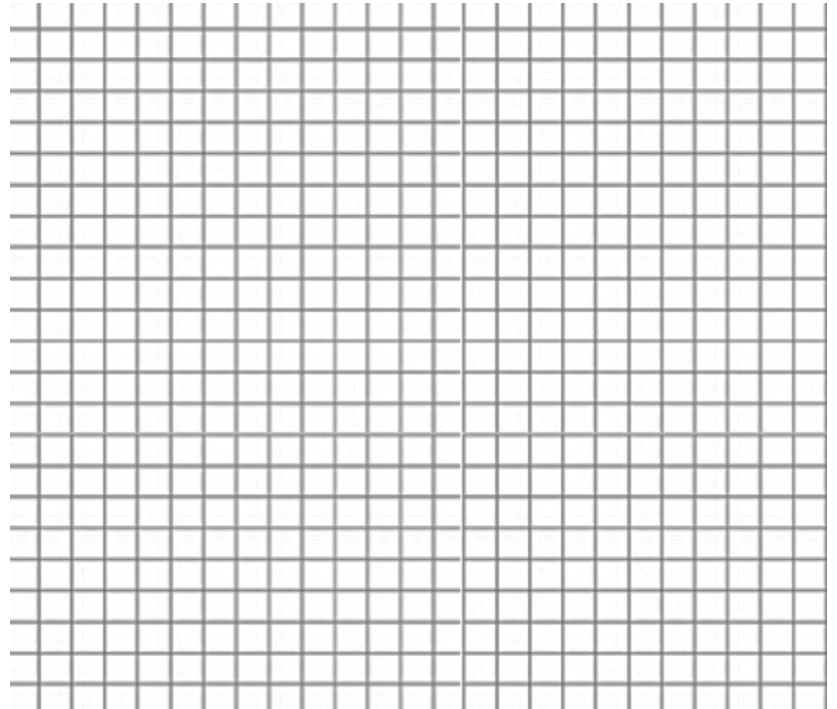
Claim & Evidence Practice Questions

A student conducted an experiment to find out if air temperature affected the total number of seeds that germinate. Two groups of 100 identical seeds were used. One group was kept at an air temperature of 10°C and the other at an air temperature of 20°C. All other conditions were held constant. Observations made during the experiment are shown in the data table below.

1. Use the data below to create a line graph.

Data Table

Day of Observation	Total Number of Seeds that Germinated at 10°C	Total Number of Seeds that Germinated at 20°C
5	0	5
10	20	35
15	40	70
20	45	80
25	45	80



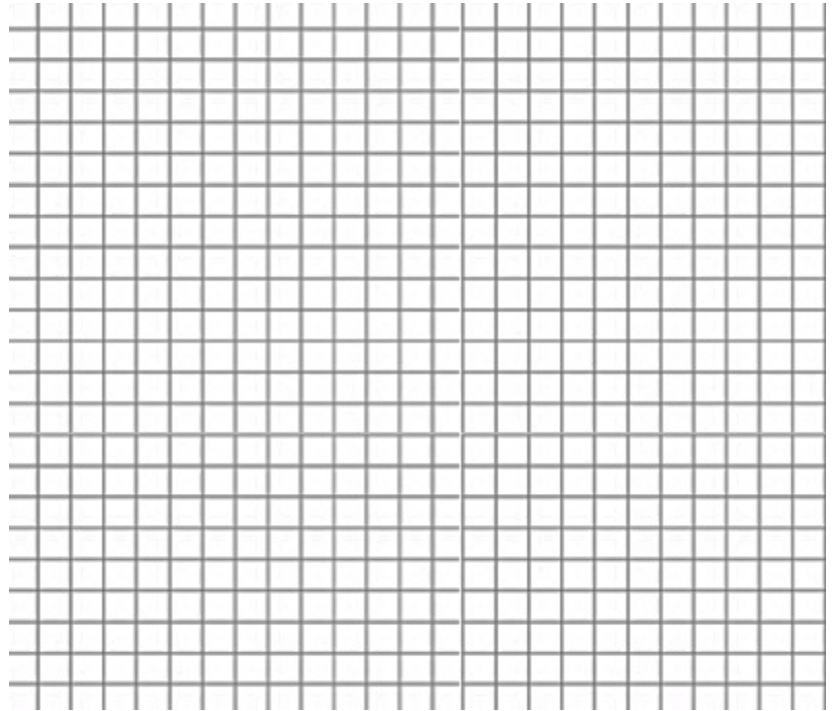
2. Use the graph and data above to state a claim OR explain the relationship displayed above.
3. Provide *scientific evidence* that supports your claim or the relationship.

A group of students placed the same species of a water plant in five identical test tubes. The test tubes were filled with water and placed at different distances from a light source. After a few minutes, bubbles began to appear in the test tubes, indicating that photosynthesis was occurring. The students counted and recorded the number of bubbles per minute that appeared in each of the test tubes. The results are shown in the data table below.

4. Use the data below to create a line graph.

Photosynthesis in a Species of Water Plant

Distance from Light Source (cm)	Number of Bubbles per Minute
10	45
30	30
50	19
70	6
100	1



5. Use the graph and data above to state a claim OR explain the relationship displayed above.

6. Provide *scientific evidence* that supports your claim or the relationship.