

Name _____
Science _____

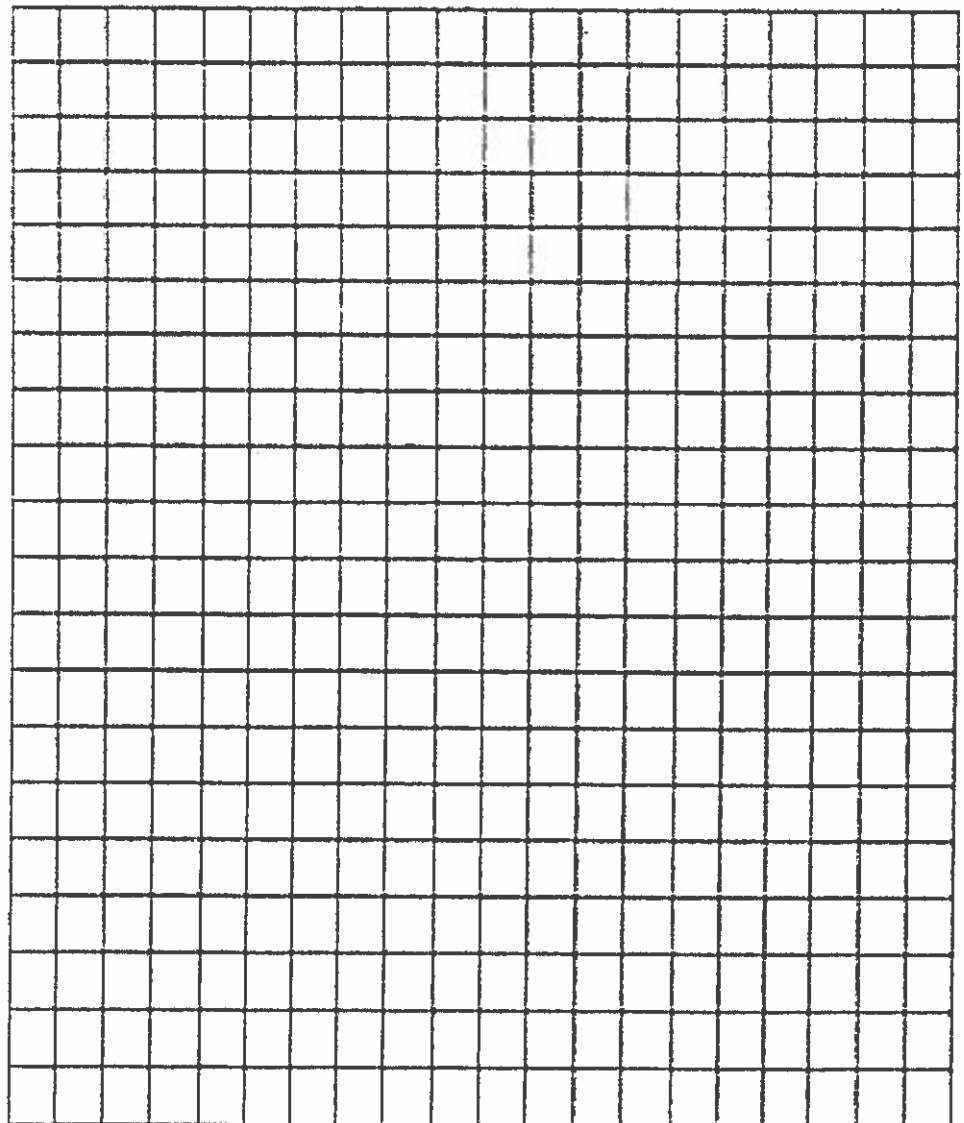


Date _____
The Race Graph WS

Cosmo vs. Wanda

Time (min)	Distance (m) Cosmo	Distance (m) Wanda
1	40	20
2	80	40
3	110	60
4	130	80
5	145	100
6	150	120
7	155	140
8	150	160
9	153	180
10	156	200

Cosmo challenged Wanda to a race. He claimed that boys can run farther than girls. Wanda accepted the challenge and they agreed to fly in a straight line for 10 minutes. Whoever ran the farthest would win the challenge. The results can be found in the data table to the left. Follow the rules for graphing to create a double line graph below.



Name _____
Period _____

Defining Elements of a Scientific Method

Objective/problem	Conclusion
Hypothesis	Independent/manipulated variable
Control setup	Dependent/responding variable
Observation	Qualitative observations
Experimental setup	Quantitative observations
Data	Inferring

Each word in the word bank is used once.

1. _____ Deal with descriptions that can't be expressed as numbers
2. _____ Explaining or interpreting your observations
3. _____ Question that an experiment is designed to answer
4. _____ Measurements, facts, or other pieces of information gathered
5. _____ The variable that is being tested in an experiment
6. _____ Proposed explanation to a scientific question
7. _____ Part of an experiment without the independent variable
8. _____ The variable that changes in response to the variable being tested
9. _____ What a person sees, hears, feels, smells, or tastes
10. _____ Formed after an experiment has been conducted; either verifies or disproves the hypothesis
11. _____ Observation that deals with numbers or amounts
12. _____ Part of an experiment containing the independent variable