

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Period: \_\_\_\_\_

### Review of Math in Science

1. A gazelle can run 3000feet (910 meters) in 4.6 seconds. What is its velocity? Show your Math.
2. If the gazelle weighs 43 kilograms, what is its Momentum? Show your Math.
3. A cheetah can rum 1200meters in just 4.3 seconds. How fast is it running? Show your Math.
4. The gazelle immediately accelerates to its top speed and can maintain it for 50 seconds. A cheetah hunts by stealth, sneaking up on its prey. If the gazelle gets a 1.5 second head start (Cheetah's reaction time) can the cheetah catch it? If so, when? Make a graph to help you answer the question.

Can a cheetah catch a Gazelle?

