Name: _____ Class: _____

SIMPLE MACHINES – BIKE

Watch the video "**How do Bike Gears Work? | Design Squad**" in Youtube (www.youtube.com/watch?v=oauDyIu_swM) and answer the following questions:

1) First, describe the gears on Nick's bike.

2) When the crank on Nick's bike turns, which wheel moves more?

3) Describe Daisy's bike.

4) The_____ the cog that the chain is on, the _____ times around the back tire it goes every time we turn the pedal.

5) What did Nick change on his bike to help him make it up the hill?

6) Name one advantage for each type of bicycle (fixed-gear and multi-gear).