Simple Machine Chart

Directions: Place the following simple machines into their proper category.

Screw	Ramp	Sliding board	Wheel	Pencil
Wheelbarrow	Screwdriver	Crane	Balance	Bottle opener
Fishing rod	Reel	Toy car track		

Lever	Pulley	Inclined Plane	Wheel and Axle

Name: _____

Writing Prompt

You are an archeologist working on an important dig. You have come across a ***huge*** rock that you can't lift. There are valuable artifacts under this rock. How can you use what you know about levers and fulcrums to get this rock lifted out of the hole so that your important work can continue? Where would you need to place the fulcrum to lift the rock the highest? You are working alone. Where would you place the fulcrum so that the least force would move the rock? In your Writing Journal, give instructions for how you would move this heavy, troublesome rock.

You should include the following items:

1. How can you use what you know about levers and fulcrums to get this rock lifted out of the hole so that your important work can continue?

2. Where would you need to place the fulcrum to lift the rock the highest?

3. Where would you place the fulcrum so that the least force would move the rock?

4. Are your instructions thorough? Could another student follow your directions to move the rock?

5. How did the fulcrum position affect how high the rock could be lifted?

6. How did the fulcrum position affect the force needed to lift the rock?