

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

## Know Your Wiring Scavenger Hunt SPH4C

Search your classroom. How many electrical outlets can you find? \_\_\_\_\_

What is the average spacing between them (in metres)? \_\_\_\_\_

Are these outlets for two prong or three prong plugs? \_\_\_\_\_

What are these outlets typically used for? \_\_\_\_\_

\_\_\_\_\_

Go out into the hallway. Where is the nearest electrical outlet along the hallway?

\_\_\_\_\_

What is the average spacing between hallway outlets (in metres)? \_\_\_\_\_

Are these outlets for two prong or three prong plugs? \_\_\_\_\_

What are these outlets typically used for? \_\_\_\_\_

\_\_\_\_\_

How many classroom and hallway outlets would you estimate there are in the entire school?  
Explain your reasoning:

Find a computer lab. Describe the device the computers are plugged into:

\_\_\_\_\_

\_\_\_\_\_

What do you think the purpose of this device is? \_\_\_\_\_

\_\_\_\_\_

Find an outlet in a bathroom. Is the bathroom outlet different in any way? \_\_\_\_\_

If so, describe how it is different: \_\_\_\_\_

\_\_\_\_\_

If so, why do you think the bathroom outlet is different? \_\_\_\_\_

\_\_\_\_\_

What room in the school contains the most high-powered equipment? \_\_\_\_\_

Go to this room. Find the electrical outlets the high-powered equipment is plugged into.

Are they different in any way? \_\_\_\_\_

If so, draw the outlet in the space below:

If so, why do you think the high-power outlet is different? \_\_\_\_\_

\_\_\_\_\_

Go outside the school building. Are there any visible power lines coming into the school?

If so, where? \_\_\_\_\_

If so, how many? \_\_\_\_\_

If not, where do you think the power lines are? \_\_\_\_\_

Can you see any transformers or regulator boxes (grey cylinders or boxes near the lines or on the ground)? \_\_\_\_\_

If so, where? \_\_\_\_\_

If so, describe them: \_\_\_\_\_

\_\_\_\_\_