

Student Link

Student Name: _____

1. What is electricity? We can't see it, but it powers all of our devices like computers, cell phones as well as our homes and our schools. But how does electricity work and what is it? Let's find out...

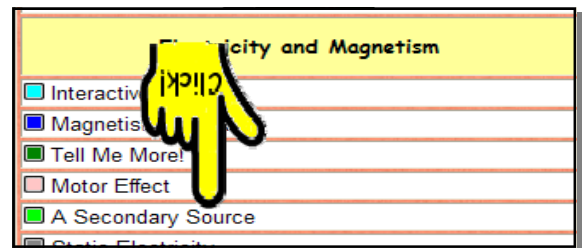
Start Here!

Alberta Edition

Click! Grade Five

StudentLink CANADA

2.



3. **A Secondary Source...**We get electricity by creating it from different activities like burning coal and from nuclear power.

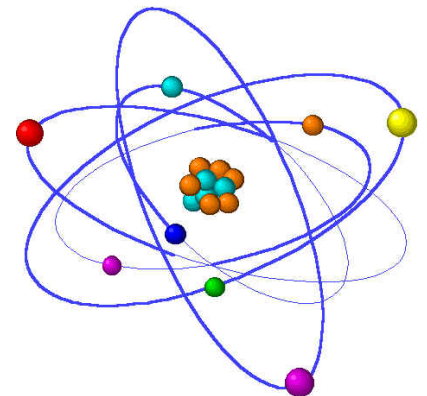
Can you name three other ways we can generate electricity (not named in the webpage...hint: think green)?

- 1.
- 2.
- 3.



4. **The Science of Electricity...**Electrical energy is created at the *atomic level*...List the 3 main parts of an atom and indicate what their charge is

- 1.
- 2.
- 3.



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Lesson Activity for Grade 5

(Science: Electricity)

PAGE

B

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Walking across a carpet can give you a shock if you're not careful. The kind of energy generated by this is called

Explain in your own words why your hair stands up when you rub a balloon. What particles are moving and why?



5. Magnets and Electricity...When electrons spin around an atom, a tiny magnetic field is generated.



What are the two poles to a magnet?

Can you think of a really big magnet in the environment (think REALLY BIG!)

What unique property of magnets makes them useful in generating electricity?

6. Batteries...Most batteries generate electricity using a chemical reaction.

What happens during the chemical reaction?

Can you think of another chemical reaction that might produce electricity?

