

Name_____ Date_____

Volts and Current Video

- 1) What is one important property of a river?

- 2) What do you measure the amount of charge passing a certain point in?

- 3) What is the formula for calculating current?

- 4) How is measuring current in electricity similar to measuring current in water?

- 6) What is the special name given to a coulomb per second?

- 7) What does it mean when there is a current of 5 amps?

- 8) What is another name for voltage?

- 9) What object can be compared to voltage?

- 10) Why is there little current in a lake?

- 11) What would happen if you started to raise one side of the lake?

- 12) What type of potential difference is it when you raise one side of the lake? Explain

13) How do you make electrical current flow?

14) Compare electrical potential to gravitational potential. Include a diagram.

15) How do electrons tend to flow?

16) What happens when you lift one side of the lake even higher?

17) What happens when you increase the electrical potential?

18) What does the word potential mean?

19) How can the potential to do work be represented?

20) What is the special name for 1 J per coulomb called?

21) What does it mean if there is a potential difference across a wire of 10 volts?

22) How much work can 1 coulomb of charge do in a 1.5 volt battery?

23) What are the two fundamental quantities in electricity?