

* Read p. 98 → 108 in Sc 10 Probe text.

Key Points for Section 5.3

* The following is a list of questions (or key points) that you must know after reading Section 5.3.

Answer each of the following in your notebook

* Using Full Sentences!!

- 1) How many wires supply electricity to your home?
- Name each wire, & give their function
- 2) These wires (↑) must pass through a device before they enter your home. Name this device. What is its function?
- 3) What is the "Service panel"? Its function? located where?
- 4) Circuit breakers, what are they? what is their function How do they work? See figure 5.14
- 5) What is the difference between "Main Circuit breaker" and "Branch circuit breaker"?
- 6) What is the difference between "circuit overload" and "short circuit"? Both of these will cause the circuit breaker to _____??
- 7) Typical household circuit can handle a max. of _____ Amps. Any higher current through a circuit will result in _____?
- 8) What is a fuse? How does it work?
- 9) How can you find out how many circuits are in your home?
- 10) What is an "outlet"? Identify the three slots, and state their function.
- 11) Polarized plug, and polarized outlet, why are they good to have in your home?
- 12) What is the purpose of "grounding"?
- 13) What is a GFCI? Where in your home will you find ^{the}
- 14) What is the max. wattage a 15A circuit can handle before the breaker trips?
- 15) List 10 Suggestions that will help you use electricity more safely.

Name: _____

Date: _____

11.3

Sources of Electricity *Read Section 11.3 and complete*

| | Source of electricity | Renewable or non-renewable | Advantages | Disadvantages |
|---|-----------------------|----------------------------|------------|---------------|
| ① | | | | |
| ② | | | | |
| ③ | | | | |
| ④ | | | | |
| ⑤ | | | | |
| ⑥ | | | | |
| ⑦ | | | | |
| ⑧ | | | | |
| ⑨ | | | | |