Name_____ Date_____

Section 11.3 Electrical Energy in the Home

1) Where do power lines from the nearest transformer connect to before they enter your home?

2) Define load.

3) What happens every time you turn on a load in your home?

4) What does each digit on the meter represent?

5) Define kilowatt hour.

6) Where do people obtain energy from?

7) A family uses 4000kW•h of electrical energy in a three-month period. If the energy costs 1 RMB per kW•h, what is the electric bill for the three-month period?

8) What does every house, school and office building have?

9) What happens if something trips one breaker?

10) What brings power into the house?

11) Why is wiring to a kitchen different that wiring to a bedroom?

12) What do many kitchens have?

13) What do stoves require?

14) Why are many plugs 45cm above the ground?

15) What is most of the energy used to power standard light bulbs converted into?

16) Why do light bulbs burn out?

17) List one positive and one negative of a fluorescent light bulb.

18) What should you do when you unplug a device from an electrical outlet?

19) Define short circuit.

20) What is one safety consideration to make when using an extension cord?