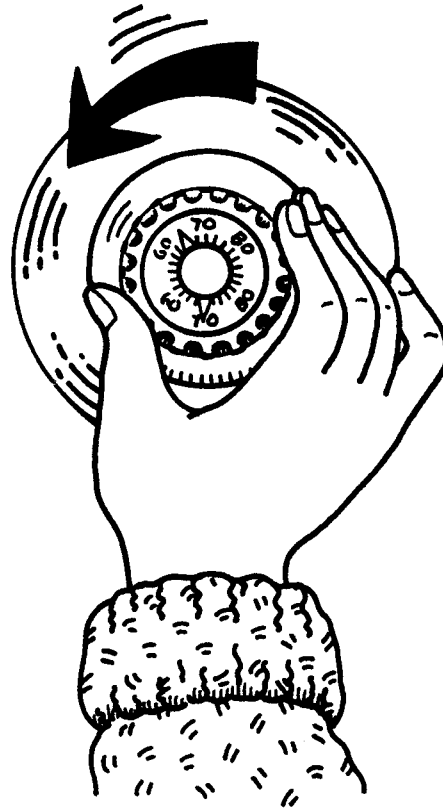Name_____ Date_____

Individual Room Temperature Controls

Thermostats in individual hotel rooms and offices are now a common sight. These thermostats allow occupants to control the temperature of the room or sometimes a group of rooms that are close together. However, in 1919, when an African American female inventor received a patent for a special kind of gas home-heating furnace, the idea of individually regulating room temperatures was new.

The heating furnace designed by this woman inventor included heating units arranged so that they branched out from a central furnace. Each heating unit was equipped with independent temperature controls. Hot-air ducts extended from these heating units to different rooms in the house.

As a result of this furnace's unique construction, the air in separate rooms could be heated to different temperatures depending upon the desires and needs of the occupants. When rooms were empty, the heating unit or units leading to those rooms could be set so that no heated air was released to them. This prevented the waste of energy and resulted in lower heating costs.

To find the name of this woman inventor of a furnace that allowed individual room temperature controls, on the next page write the correct word next to its definition. All words can be found in the word box and in the text above. After you have written all the correct words, write the first letter of each word above its number at the bottom of the page.

Individual Room Temperature Controls

air	arrange	central	equip	extend	individual
kind	lower	patent	regulate	release	

1. Put in correct or suitable order   1. _____

2. Reduced in amount   2. _____

3. Existing as a separate thing   3. _____

4. Main; middle   4. _____

5. Provide with what is needed; furnish   5. _____

6. Document granting the sole right to make, sell, or gain
   profit from an invention for a certain number of years   6. _____

7. Invisible mixture of gases that surrounds the earth   7. _____

8. Control; adjust to a particular degree   8. _____

9. Sort (noun); type (noun)   9. _____

10. Stretch out for a certain distance   10. _____

11. Let go; set free   11. _____

__ __ __ __ __   __ __ __ __ __ __
1   2   3   4   5   6   7   8   9   10 11