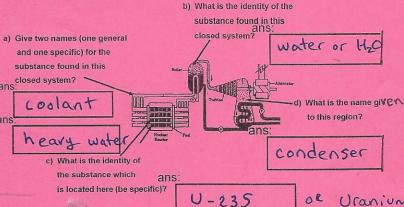
Name: Shamur

Date:

- 1. Place an A (for atomic bomb) or an H (for hydrogen bomb) on the lines below to indicate to which type of bomb each statement refers:
- H a) This bomb produces more energy than the other type of bomb.
- A b) Uranium or Plutonium can be used for this type of bomb.
- A c) A limited amount of material must be used to make this type of bomb.
- d) This bomb is referred to as a "thermonuclear bomb".
- A e) This bomb is required to detonate the other type of bomb.
- L f) In theory, there is no limit to the explosive power of this bomb.
- **A** g) In this bomb, the fissile material is divided into two separate blocks, each with a mass lower than the critical mass.
- H h) Nuclear fusion is the major source of this bomb's energy.
- <u>A</u> i) This bomb killed about a quarter of a million Japanese civilians in 1945.
- <u>karple</u> j) The first detonation of this type of bomb was carried out in 1952 by the United States.
 - 2. Write the appropriate terms in the rectangles below (you cannot use the same term more than once):



OR D20

3. Consider the power plant shown in question #2. Which of the following statements is/are true?

Uranium - 235 OR

a) Power output can be increased when there is an increase in demand for electricity.

Uranism

- b) Waste from this plant can be reused.
- c) The reactor remains in operation during the times that new fuel is added.
- d) Energy is produced only in the nuclear reactor.

Answer/s: C + D

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