

Name: \_\_\_\_\_

Period: \_\_\_\_\_

HW—25:rev — Review for Test  
Mr. Murray, IPC  
www.aisd.net/smurray

Assigned: Thurs., 12/11/03  
Due: Mon., 12/15/03

1. Fission or Fusion:

Dangerous waste products:  
Powers the sun:  
Splits big atoms:  
Combines small atoms:

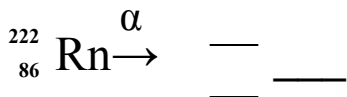
Consider these solutions:

Solution A (H<sub>2</sub>O); Solution B (NaOH)  
Solution C (HCl)

3. Which is the acid?
4. Which is neutral?
5. Which is the base?
6. Which has the most H<sup>+</sup> ions?
7. Which has the least H<sup>+</sup> ions?
8. Which is equal in H<sup>+</sup> and OH ions?

5. What four things speed up solubility?

2. Fill in the missing information:



**Do Vocabulary on the Back**

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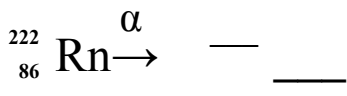
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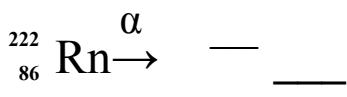
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**Vocabulary—  
don't forget the  
other side**

Acid  
Base  
Chain reaction

pH  
Fusion  
Fission

Solution  
Polar  
solute

1. When a fission makes another fission, causing another, etc. and sustains a nuclear reaction.
2. The scale to measure acids and bases.
3. The combining of hydrogen into helium; makes a lot of power and has no harmful waste products.
4. A compound that adds H<sup>+</sup> ions to water.
5. The smaller part of a solution. (The salt in salt water.)
6. The splitting of large atoms (usually Uranium) to make a lot of power, but harmful waste products.
7. A compound that give OH<sup>-</sup> ions to water.
8. A homogenous mixture at the molecular level.
9. A molecule that has a positive and negative end.

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