

## Potential Energy in Phase Changes    Name\_\_\_\_\_

- 1) Describe in your own words what it means to have “chemical potential energy”.
  
- 2) What type of energy is chemical potential energy usually converted into?
  
- 3) When would two molecules have the most chemical potential energy?
  
- 4) When something condenses does it release heat energy or absorb heat energy? Explain why.
  
- 5) When something boils does it release heat energy or absorb heat energy? Explain why.
  
- 6) If you watch the temperature of a liquid as it is heated to boiling you will first see the temperature go up, then, while boiling, level off. Why does this happen? Why can't the temperature get any hotter while boiling?