**Honors: Substances, Changes, and Properties Review**

1. Explain why you can’t separate an element into its components.
2. Explain why you can separate a compound into its components.
3. How can you tell the difference between a homogenous mixture and a compound? Be specific!
4. Based on the properties of chemical changes, what physical changes can you think of that might falsely convince you that a chemical change is occurring?
5. What is the density of a TV that has weighs 32 kg and has a volume of 6500 square cm?
6. When a child grows up, does that represent a chemical or a physical change? Explain.
7. When a child grows up, list three extensive properties that change.