

Topic 2 - Changes In Matter

1. Properties are characteristics that can be used to describe how a substance behaves. Ductility is a property that describes a substance's ...
 - A. **mixing ability**
 - B. **reaction with water**
 - C. **ability to stretch**
 - D. **toxic effect**
2. Deposition is a change that occurs when a gas changes directly into a solid and heat is released. The evidence that this is a physical change is ...
 - A. **energy is released or absorbed**
 - B. **it is a permanent change**
 - C. **gas bubbles form in the process**
 - D. **no new substance is formed**
3. It is often difficult to decide if a change is physical or chemical, so certain clues will help you decide if a chemical change has occurred. The only evidence that will guarantee a chemical change has occurred is ...
 - A. **a change in colour and/or odour**
 - B. **the release or absorption of energy (heat)**
 - C. **that a new material is formed**
 - D. **the formation of a solid (precipitate) in a liquid**
4. The only list below that describes only chemical properties of a substance is ...
 - A. **reactivity, toxicity, stability, malleability**
 - B. **ductility, crystal shape, miscibility, solubility**
 - C. **malleability, smell, viscosity, miscibility**
 - D. **density, conductivity, combustibility, color**
5. A substance's ability to resist being scratched is the physical property of matter known as ...
 - A. **ductility**
 - B. **hardness**
 - C. **malleability**
 - D. **conductivity**
6. An obvious chemical property of pancakes is ...
 - A. **ability to combine ingredients easily**
 - B. **the positive reversibility of the process**
 - C. **the heat it gives off as it cooks**
 - D. **the new substance that appears to form**
7. Physical or chemical change can be identified by evidence. When a substance undergoes a physical change the evidence used includes all of the following, **EXCEPT** ...
 - A. **colour**
 - B. **odour**
 - C. **toxicity**
 - D. **density**
8. This property of gold allows it to be hammered into thin sheet and different shapes.
 - A. **malleability**
 - B. **ductility**
 - C. **miscibility**
 - D. **stability**