

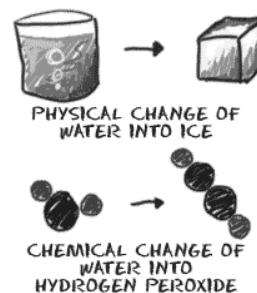
TA01B -Teach About Matter and Changes

Use with BrishLab PS01B
Done By: Coach

StarMaterials.com

1- What are the two types of properties that chemists use to study matter?

Page 1
Para 3



Chemists look at Physical and Chemical Properties

Image Link

2- List five properties that chemists observe to identify matter.

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Para 7



Smell, color, state, temperature, volume, mass and texture can be observed.

Image Link

3- What are the two major categories of matter changes?

Page 1
Para 8



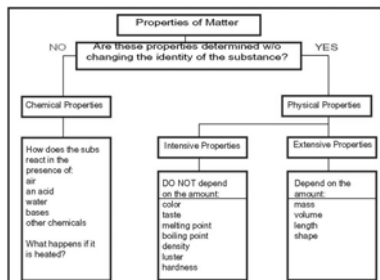
Physical and Chemical changes are ways to sort matter.

Image Link

Image Link

4- List seven observations of physical properties.

Page 2
Para 10



Smell, color, state, temperature, volume, mass, texture, hardness and melting temperature are physical properties.

Image Link

5- Give an example of a physical change of water, H₂O.

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Para 11



Water boils in a Physical change.

Image Link

6- Why are chemical changes harder to reverse?

Page 2
Para 13



One thing changes into a *new* thing.

[Image Link](#)



... a Chemical change

8- What is the major difference between a physical and a chemical change?

Page 2
Para 15



In a chemical change, atoms form new bonds to make something new.

[Image Link](#)

9- How many times can we change ice into water and back again into ice?

Page 2
Para 16

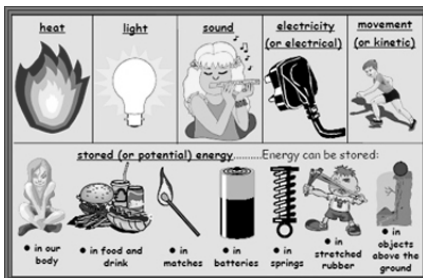


We can melt and freeze water forever - it is reversible.

[Image Link](#)

10- List four kinds of energy that can be used to change matter.

Page ___
Para ___



Thermal changes, heat, electricity, chemical energy and mechanical energy are always involved in a change.

[Image Link](#)

Draw, label and color a physical change and a chemical change.



[Image Link](#)

[Image Link](#)