TA01B –Teach About

Matter and Changes

Use with BrishLab PS01B
Done By: Coach

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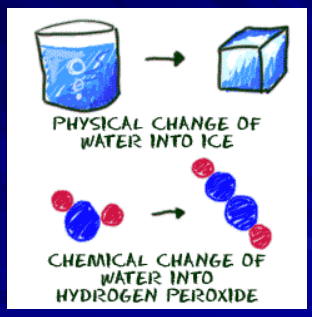
1- What are the two types of properties that chemists use to study matter?

Page 1
Para 3



Chemists look at Physical and Chemical Properties

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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.

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

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Physical and Chemical changes are ways to sort matter.

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4- List seven observations of physical properties.

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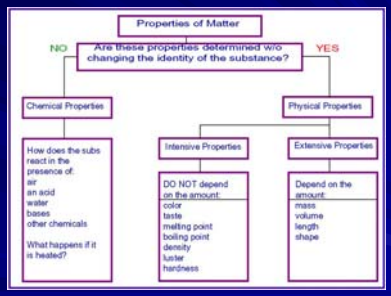
Para 10



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

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5- Give an example of a physical change of water, H_2O.

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Para 11

Water boils in a Physical change.

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6- Why are chemical changes harder to reverse?

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Para 13

One thing changes into a *new* thing.

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7- What is a good example of a chemical change?

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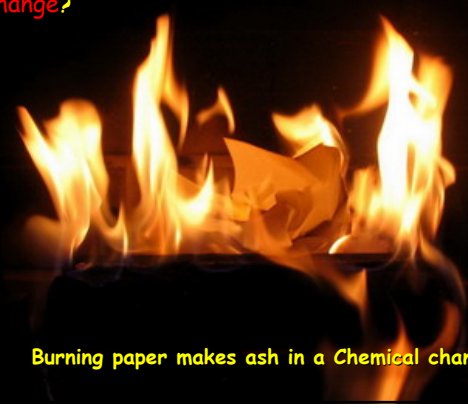
Para 14



Burning paper makes ash in a Chemical change.

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

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Para 15

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

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

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Para 16

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

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

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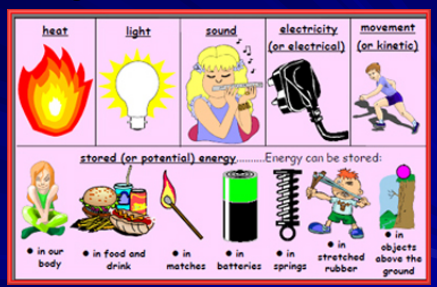
Para ___



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

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

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