Chemical Properties of Matter

- What are chemical properties of matter?
- Define the different chemical properties of matter.
- Discover examples of chemical properties.



Remember...

Matter is anything that has mass and volume.



Chemical properties describe a substance based on its ability to change into a new substance with different properties.



Chemical Properties of Matter

Chemical Property		<u>Definition</u>	<u>Illustration</u>	
	Get your Table Ready!			
	Let's Ídentify, define, and give examples for each of the 8 physical properties! Fill in your table as we go along!			
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Flammability

Ability to catch on fire



When wood is burned, it is no longer wood. The wood turns into something completely different, like smoke, ash, and soot.

Chemical Properties of Matter

Chemical Property	<u>Definition</u>	<u>Illustration</u>
Flammability	the ability to catch on fire	



Toxicity Ability to be poisonous





Many household cleaning products are poisonous if consumed, inhaled, or used without wearing gloves.

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Chemical Property	<u>Definition</u>	<u>Illustration</u>
Flammability	the ability to catch on fire	
Toxicity	the ability to be poisonous	



Oxidation

Ability to react with oxygen



Oxidation causes apple slices to turn brown and iron to rust.

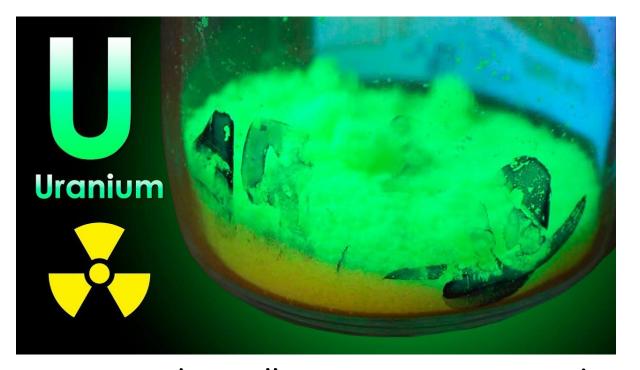
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Radioactivity

Spontaneously emitting energy in the form of particles or waves by the disintegration of their atomic nuclei



Uranium, a naturally occurring radioactive element.

Chemical Properties of Matter

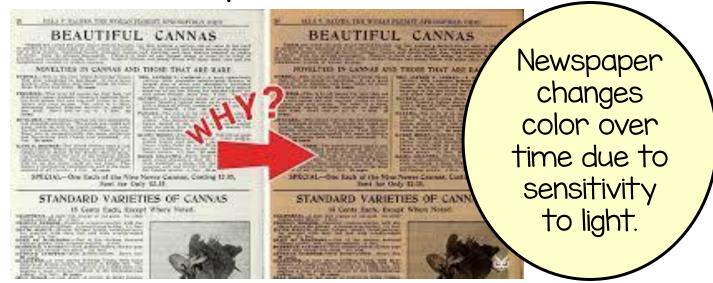
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Sensitivity to light

Some chemicals are very sensitive to light and will change into a different substance when exposed to it.





Hydrogen peroxide is sensitive to light. It is sold in a dark brown bottle, so it won't react with the light.

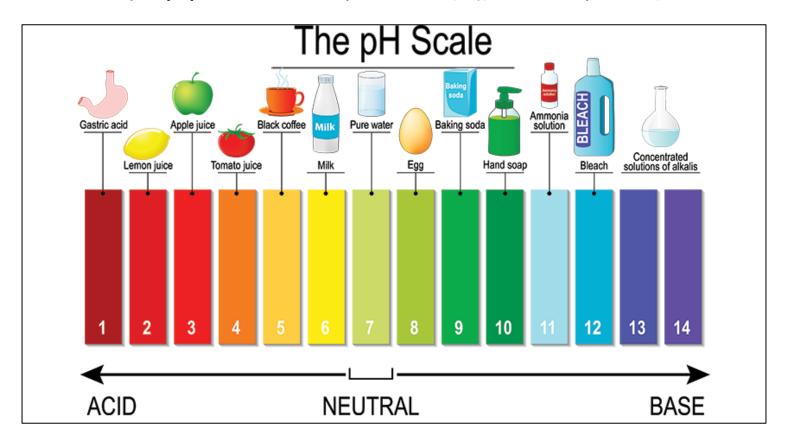
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Chemical property

Ph

Matter can be acidic or basic.



On the Ph scale, I is most acidic and I4 is most basic.

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Sensitivity to light	Some chemicals are very sensitive to light and will change into a different substance when exposed to it.	BEAUTIFUL CANNAS BEAUTI
Ph	Matter being an acid or a basic	Acidic The PH Scale Alkaline 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 Neutral

Let's Test Your Knowledge!



Matter has physical and chemical properties. Let's see if you can sort the physical properties from the chemical ones.

Oxidation

Oxidation

Odor

Odor

Flammability

Flammability

Malleability

Malleability

Solubility

Solubility

Luster

Luster

Ph

Ph

Ductility

Ductility

Sensitivity to Light

Sensitivity to Light

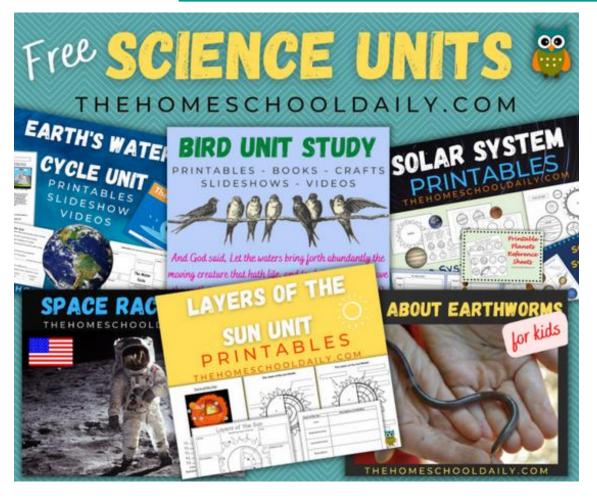
Electrical Conductivity

Electrical Conductivity

Radioactivity

Radioactivity

To learn more about matter, visit our States of Matter Printable & Activities post under our <u>Science Units & Activities</u>.







MARIE - CREATOR OF THE HOMESCHOOL DAILY



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Marie

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