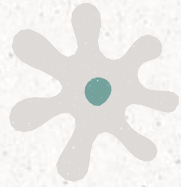


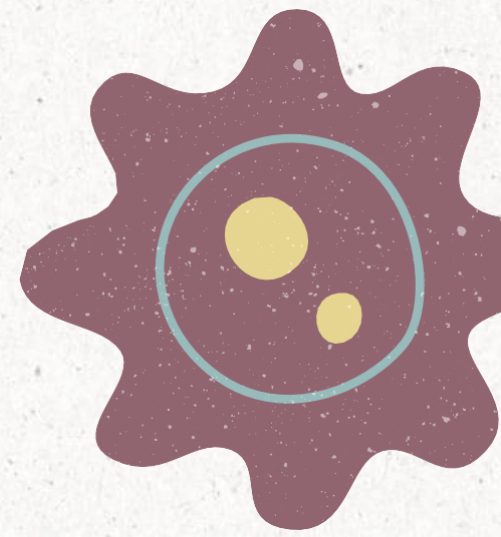
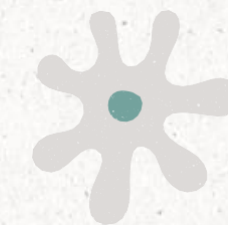
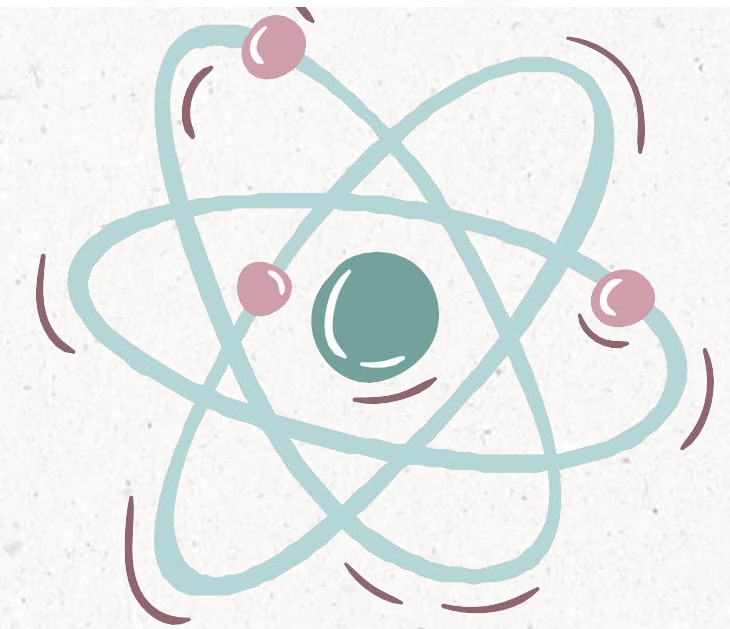
MaTTeR in NaTURe





ATOMS

- The smallest unit of matter that has the properties of an element.
- Atoms are the smallest particles of matter.
- Atoms are made up of protons, neutrons, and electrons.
- Atoms form molecules by combining together.



Click &
watch



<https://www.youtube.com/watch?v=yQP4UJhNn0I>

VOCABULARY

- **protons:** A positively charged particle found in the nucleus of an atom.
- **neutrons:** A particle with no electrical charge found in the nucleus of an atom.
- **electron:** A negatively charged particle found in the outermost shell of an atom.
- **The nucleus:** positively charged central core of an atom, consisting of protons and neutrons and containing nearly all its mass.



ION - CHARGED PARTICLES

- Ions are charged particles that are created when atoms gain or lose electrons.
- Ions can be either positively or negatively charged.
- Ions are important for life, because they allow electrical signals to travel through cells and organisms.
- Ion: A particle that has a positive or negative charge due to an unequal number of protons and electrons.



COPY

HETEROGENEOUS AND HOMOGENEOUS MIXTURES/SOLUTIONS

Homogenous

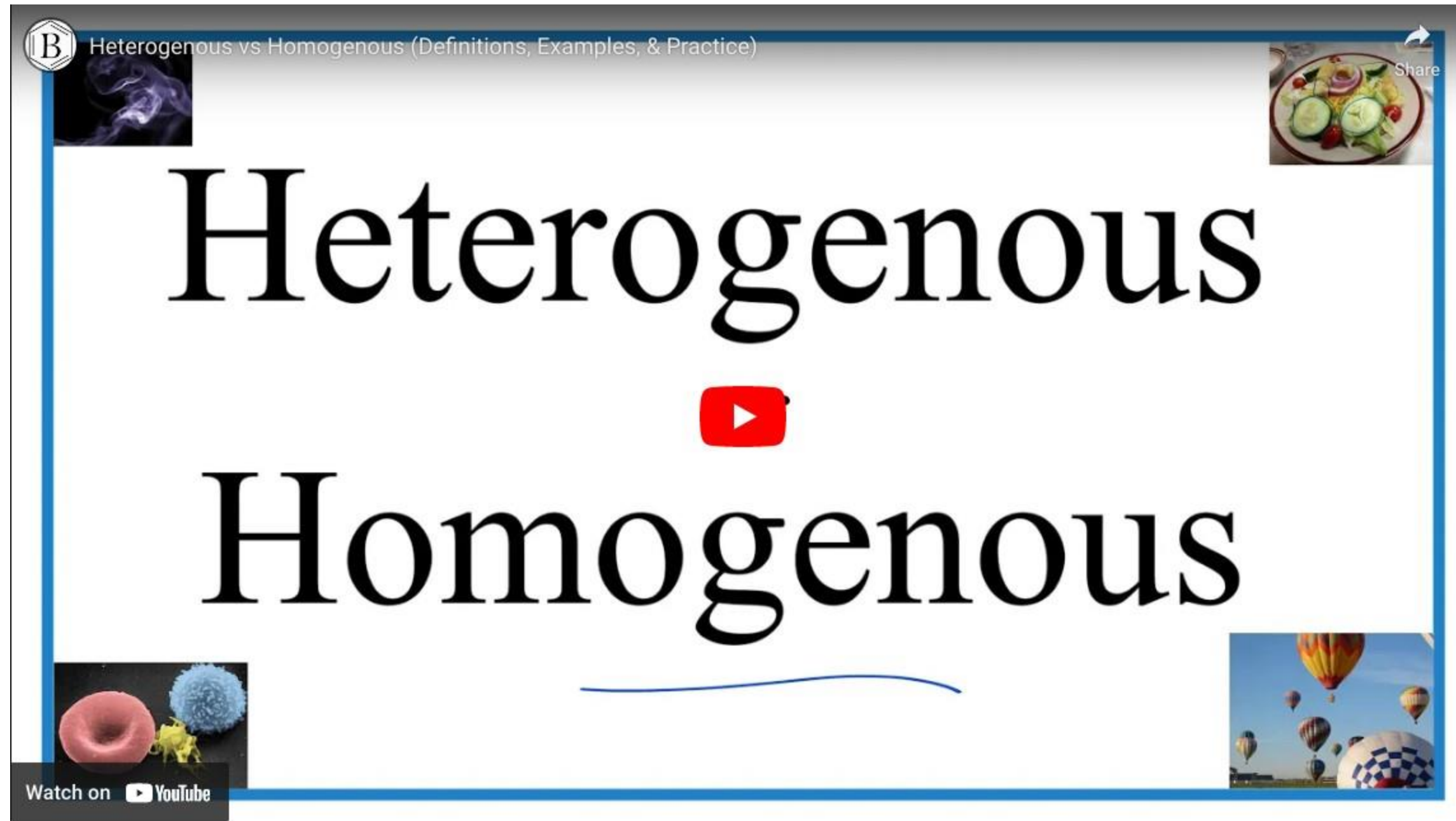
- Composition and properties are exactly the same in the whole mixture.

Heterogeneous

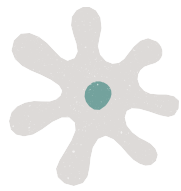
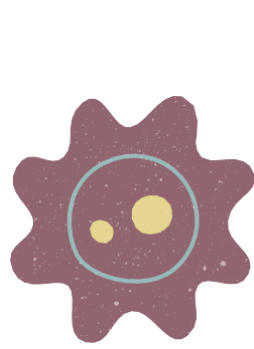
- Composition and properties are different in the different points of the mixture



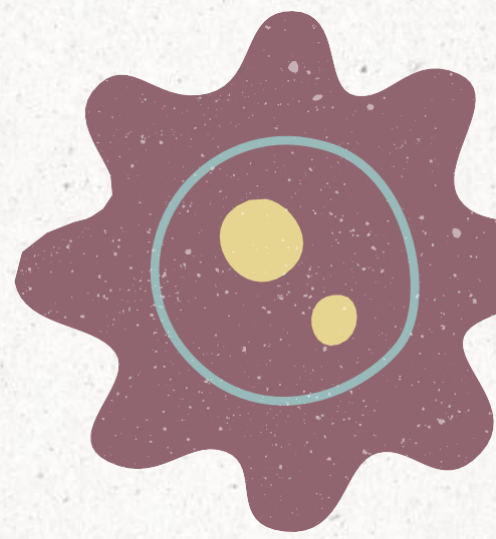
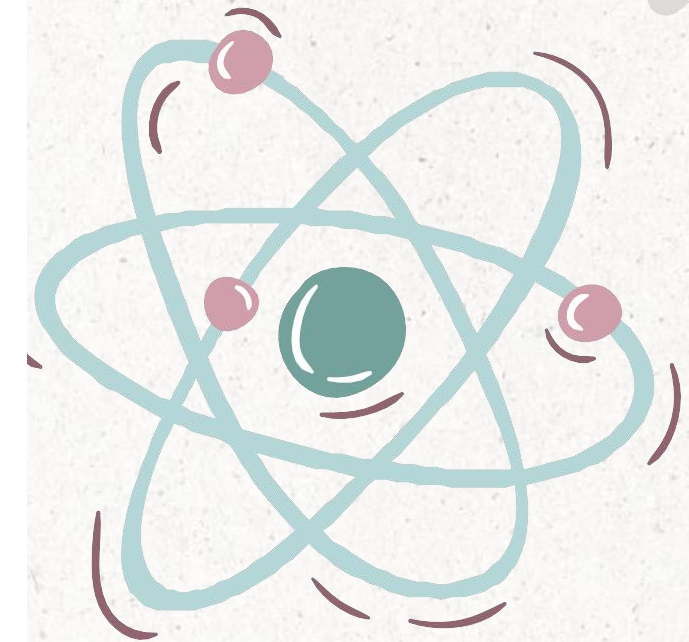
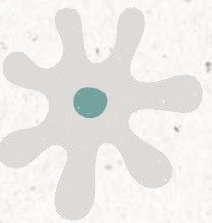
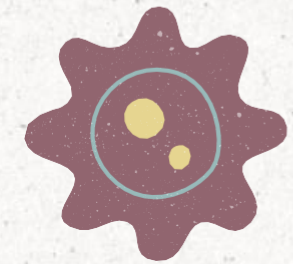
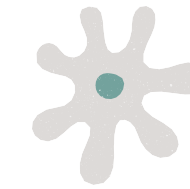
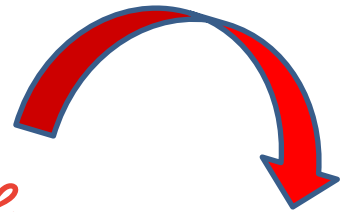
Click &
watch



<https://www.youtube.com/watch?v=7G4rIO2hA34>



Click &
Play



Team 1

0

Team 2

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3

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