



Science Virtual Learning

6th Grade Science:
Molecules and Compounds

May 12, 2020



6th Grade Science
Lesson: May 12, 2020

Objectives/Learning Targets:

Students will compare & contrast compounds & molecules.

Warm Up

What is it made of?

Make a list of which items to the right you think are made up of compounds or molecules.

What was your rule or reasoning for deciding?

Check the next slide to see how you did!

- Bread
- Protons
- Water
- Nucleus
- Brain cell
- Milk
- Egg
- Atom
- Seed
- Bacteria
- Skin
- DNA
- Cell membrane
- Cloud
- Oil
- Worm
- Protein
- Sugar
- Flowers
- Leaf
- Electrons
- Blood
- Air
- Mushroom
- Fruit



Warm Up - Answer Key

What is it made of?

All items in red are made of compounds or molecules. All items not in red are smaller than a compound or molecule.

Go to the next slide to learn the difference between a compound & molecule!

- Bread
- DNA
- Blood
- Protons
- Cell
- Air
- Water
- membrane
- Mushroom
- Nucleus
- Cloud
- Fruit
- Brain cell
- Oil
- Milk
- Worm
- Egg
- Protein
- Atom
- Sugar
- Seed
- Flowers
- Bacteria
- Leaf
- Skin
- Electrons



Background Information

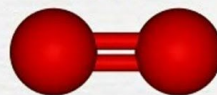
Molecule - the smallest particle of a substance that retains all the properties of the substance and is composed of one or more atoms.

Compound - made up or consisting of two or more existing parts or elements.

DIFFERENCE BETWEEN MOLECULE & COMPOUND

OXYGEN GAS

MOLECULE



OXYGEN

OXYGEN

CARBON DIOXIDE

COMPOUND



OXYGEN

CARBON

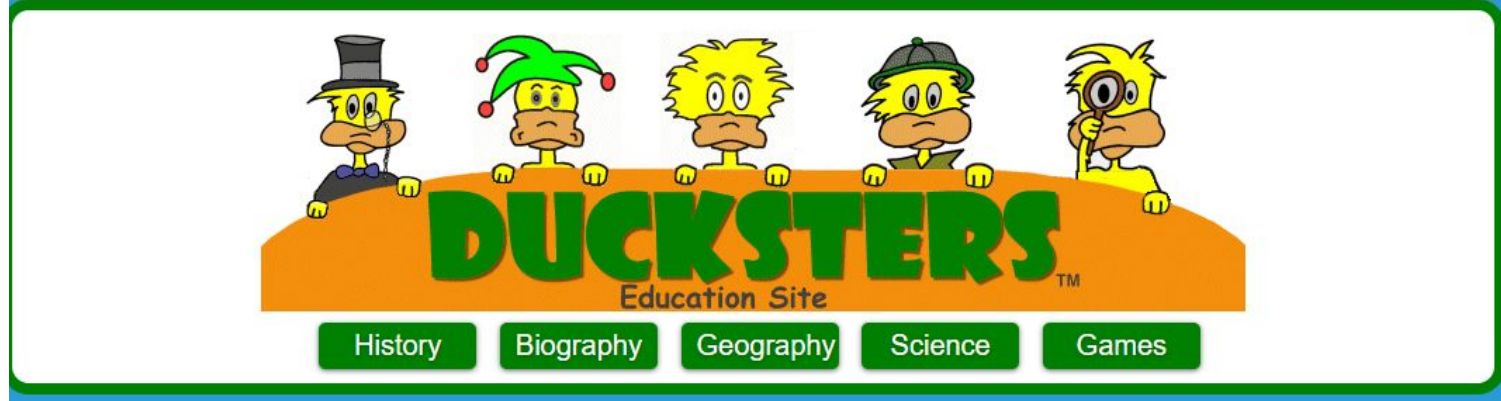
OXYGEN

A molecule is simply 2 bonded atoms.

A compound must have 2 different elements!

Practice

Read [this](#) article. Take the [quiz](#) when you're finished reading.
Check your answers after you submit!



Practice

Take the [quizizz](#) over molecules and compounds to test your knowledge.





Additional Practice

1. Complete the ReadWorks article [Chemistry: Atoms & Molecules](#).
2. Identify elements, compounds, & molecules with this [practice activity](#). The answer key is included.
3. Listen to this fun [song](#) to review!