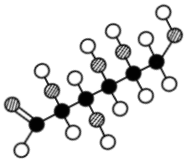
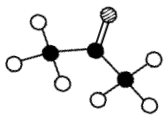
Science4All



Crazy Chemicals!

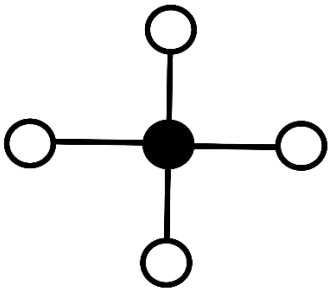


In this exercise, we will identify and count atoms in some important chemicals we use daily.

Count up the different atom types using the atom key and chemical structures to help you.

For example:

Name:	Methane	**Found in:**	Natural gas and emissions from farming and industry.
Greenhouse gas?	Yes	**Use:**	Heating, cooking, light and producing electricity.

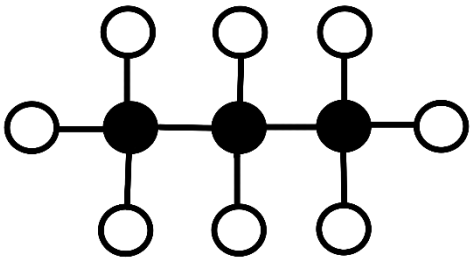


Atom count:

Hydrogen:	○	4
Carbon:	●	1
Oxygen:	▨	0

1.

Name:	Propane	**Found in:**	Natural gas and crude oil.
Greenhouse gas?	No	**Uses:**	Heating, cooking, vehicle fuel and refrigeration.

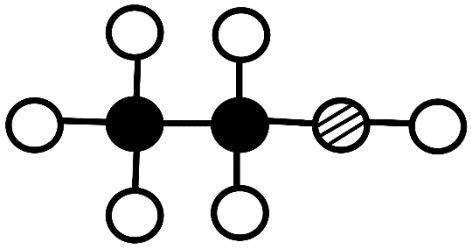


Atom count:

Hydrogen:	○	
Carbon:	●	
Oxygen:	▨	

2.

Name: Ethanol
Greenhouse gas? No
Made by: Fermenting sugars.
Uses: Alcoholic drinks, manufacturing, medicines, and biofuel.



Atom count:

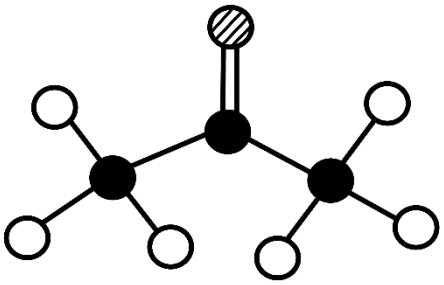
Hydrogen: ○ ☐

Carbon: ● ☐

Oxygen: ▨ ☐

3.

Name: Acetone
Greenhouse gas? No
Found in: Plants, volcanic gases, car emissions and tobacco smoke.
Uses: Nail polish remover, making plastics and paint thinner.



Atom count:

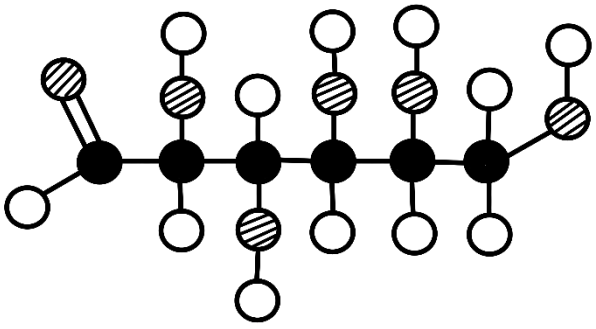
Hydrogen: ○ ☐

Carbon: ● ☐

Oxygen: ▨ ☐

4.

Name: Glucose
Greenhouse gas? No
Found in: Fruits, honey, sweetcorn, desserts, and fizzy drinks.
Uses: Main source of energy for plants and animals (including humans).



Atom count:

Hydrogen: ○ ☐

Carbon: ● ☐

Oxygen: ▨ ☐