By Aisha Rashid

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States of Matter

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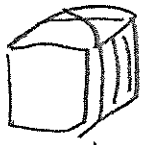
What is Matter?

Matter is.....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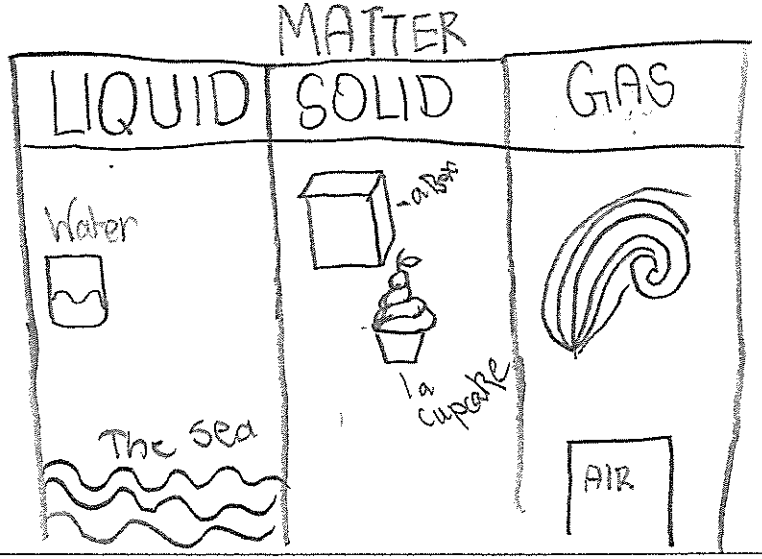
EVERYthing

What is matter? Matter helps us alot, because everything is made of matter. You are also using matter every second. The ground is matter, the air is matter, your drink is matter, and your food is matter, your everything is matter. Matter is all made of atoms. Groups of atoms are called molecules. (For example a water molecule has 1 oxygen atom and 2 hydrogen atoms.

The 3 states of matter are liquids, solids, and gases. Liquid atoms are not far apart, but they aren't really close either. They are just in the middle. Gas atoms are always very far apart they aren't like liquids. Solids are very close together and they are always touching, Solid atoms are really unlike liquid atoms, and gas atoms. All the atoms are very different from each other.

The 3 states of matter



There are 3 states of Matter, there names are liquid, gas, and Solid

a Solid is Something you can See and not poke your finger through the first time you try.

you can also See a liquid and poke your finger through it.

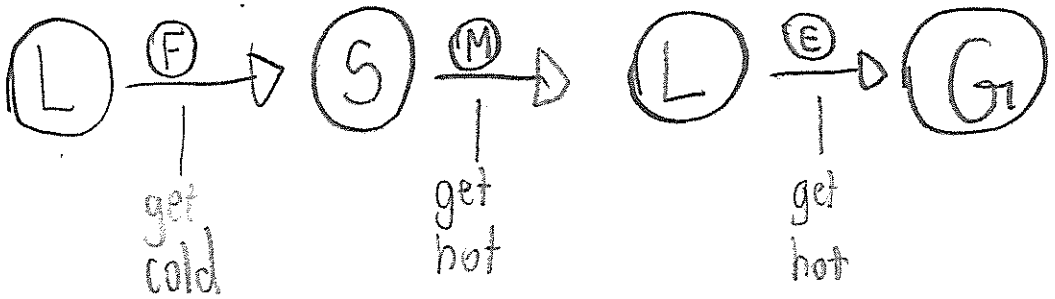
But you can't See a gas but you can poke your finger through it.

And there is also another 4th State of matter! Its called plasma.

plasma is a gas with a electric charge in it neon lights, stars, lightning, the Sun, and some T.Vs are all made of plasma. Plasma can be floating in the air. Liquid takes up the shape its in. Solids stand up in its shape. And gas is floating high everywhere. Solids can break into smaller parts and Solids hold there normal shape. Gas propertys are having no shape and filling up in the space. Solid propertys are hard, soft, bendy, stiff, or flexible. Liquid propertys are wet, fluid, taking the shape its container has, and having no shape of its own.

How dose Matter change?

(S) = Solid
(Gr) = gas
(L) = Liquid
(F) = Freezing
(M) = melting
(E) = Evaporating



Matter changes in many different ways. First Liquid can freeze into a Solid then the Solid will melt back into a Liquid then the Liquid will evaporate into gas. Freezing means when you turn liquids into a Solid by putting it Somewhere really cold at 32°F. (Degrees) Melting means when you have a Solid and you are turning it into a liquid by putting

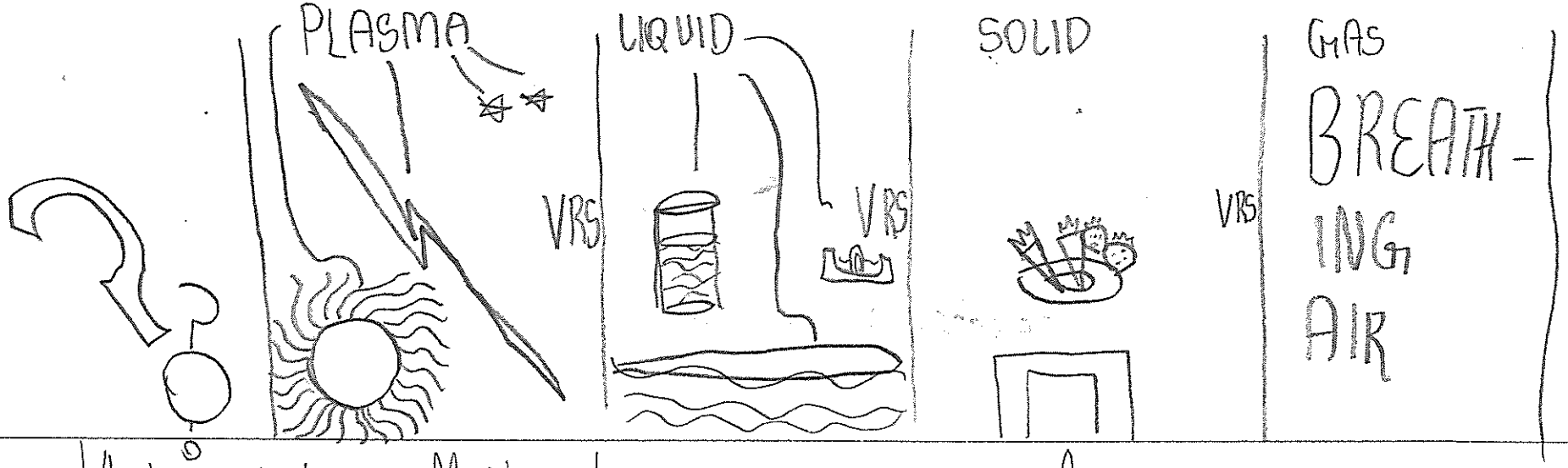
it somewhere really hot, Evaporate means when your turning liquids in to a gas by putting the liquid into a very hot place. You can mix a solid and a liquid together and it can become a liquid, a solid, or a gas. You can put ice and water in a cup which is completely dry from the outside, wait and soon you will see tiny droplets on the outside of the cup! You can also see a liquid turn into a gas, from boiling water → to steam. You can say it is turning in to steam or water vapor they are the same.

Humans and matter

Humans use matter every second. If there was no matter we wouldn't be alive! Matter is in our body the Liquid is our eyewater, and blood, the Solid would be our bones, Skin and hair, and finally our Oxygen that we brouth in and out every second is the gas. You even eat Matter. Humans can't make new kinds of matter but they can change one state of matter

into a different one like you can freeze water into an icecube by putting it in your freezer or you can bake a mixture in the oven and it will turn in to some cupcakes or a cake. If you dont like matter then you are wrong you have to like matter because if you dont like matter you dont like anything since everything is made out of matter. Humans count on matter because even they are matter.

Which State of Matter helps us the most?



Which State of Matter helps us the most? All states of Matter helps us alot, and they all help us 100 Percent. So the real answer is there isnt a state of Matter which is better then another because if we didnt have gas there wouldnt be any oxygen so we wouldnt be alive, and if we didnt have liquids

there wouldnt be any water so we wouldnt be alive, and if there wasnt any Solids then we wouldnt have any food so we wouldnt be alive either, and finally if we didnt have any plasma then their would be no stars and no sun and no light So the universe would just be dark and we wouldnt be able to see anything. So there really is no best State of Matter

Conclusion

Matter is inside everything. And the 3 states of Matter are Liquids, Solids, gases, and there is another one called Plasma. Matter changes in different ways. 3 different ways, the 3 ways are melting, evaporating, freezing. and there is a fourth way called Burning. Humans use matter so much Matter is so

important to us, and we use matter every second because matter is actually in our body.

There really is no State of matter which helps us the most because if we didnt have them we wouldnt be alive.

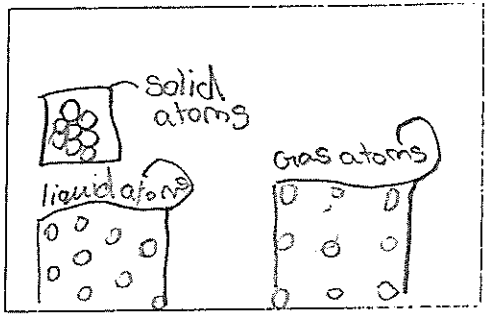
Glossary

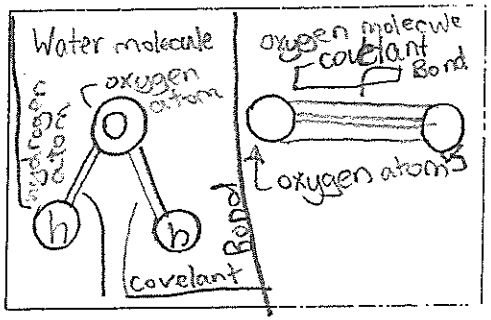
1. Atom : Tiny circles inside any type of matter.

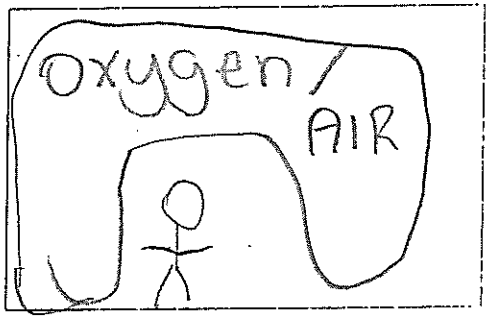
2. Molecule : a group of atoms.

3. Oxygen : a type of gas/air.

4. Hydrogen : another different type of gas, that you cant see.







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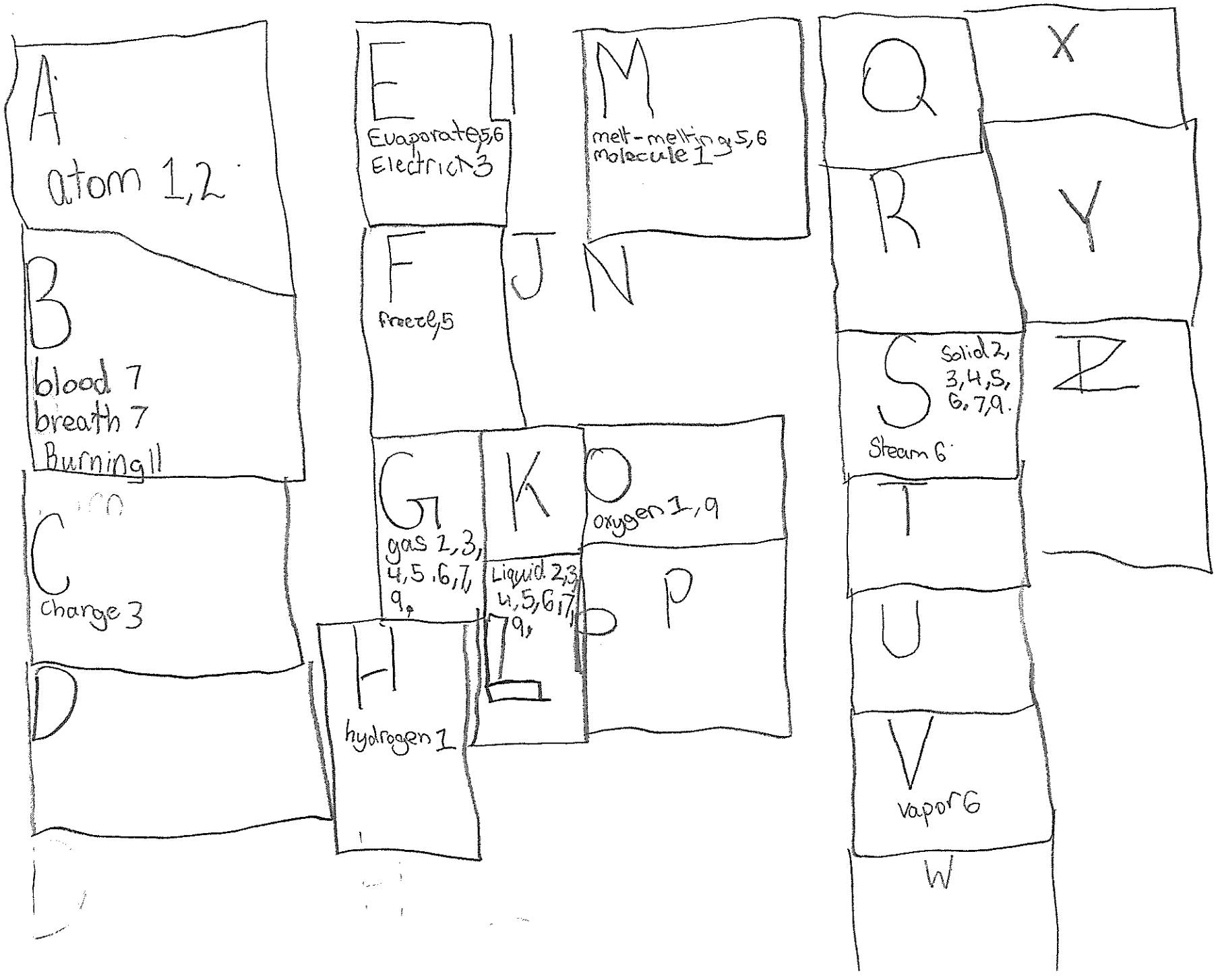
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