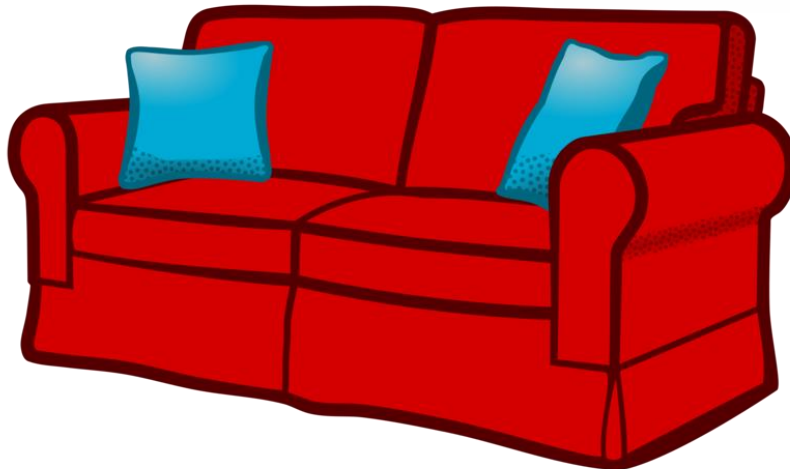
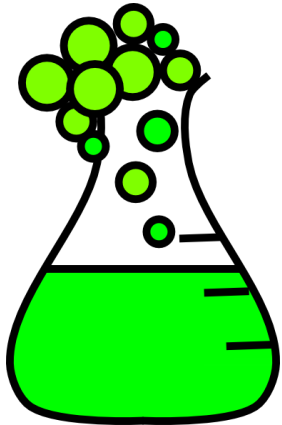
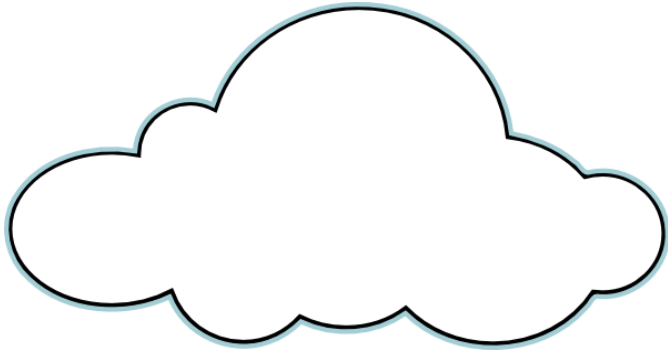


What is Matter?



What is matter?

Matter is anything that has mass and volume. You are matter. The clothes you are wearing are matter. The air you are breathing is matter.

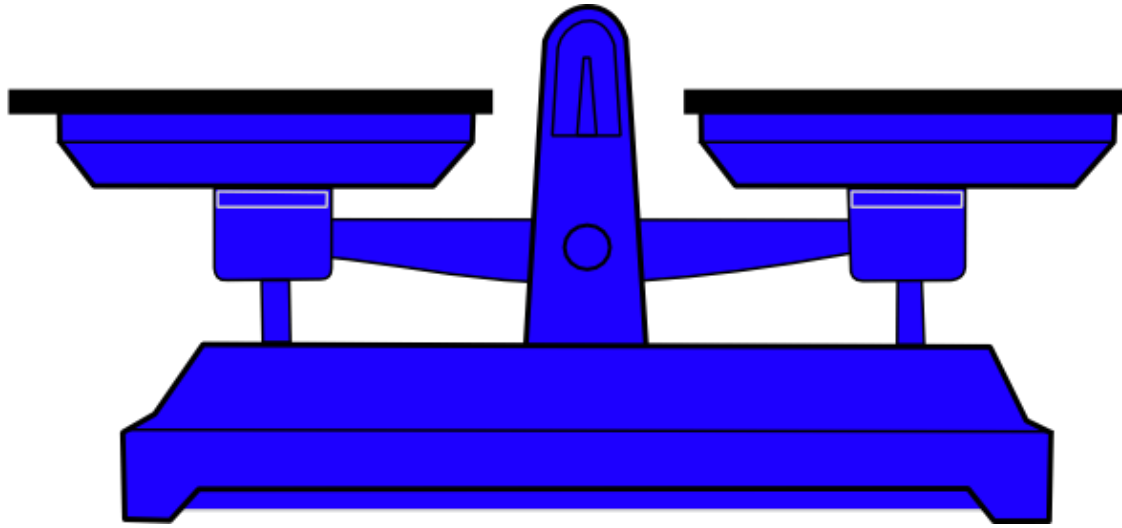


REVIEW

What is mass?

Mass is the amount of matter or “stuff” that something is made of.

Mass is commonly measured in kilograms or grams. You can measure mass by using a scale or triple beam balance.



REVIEW

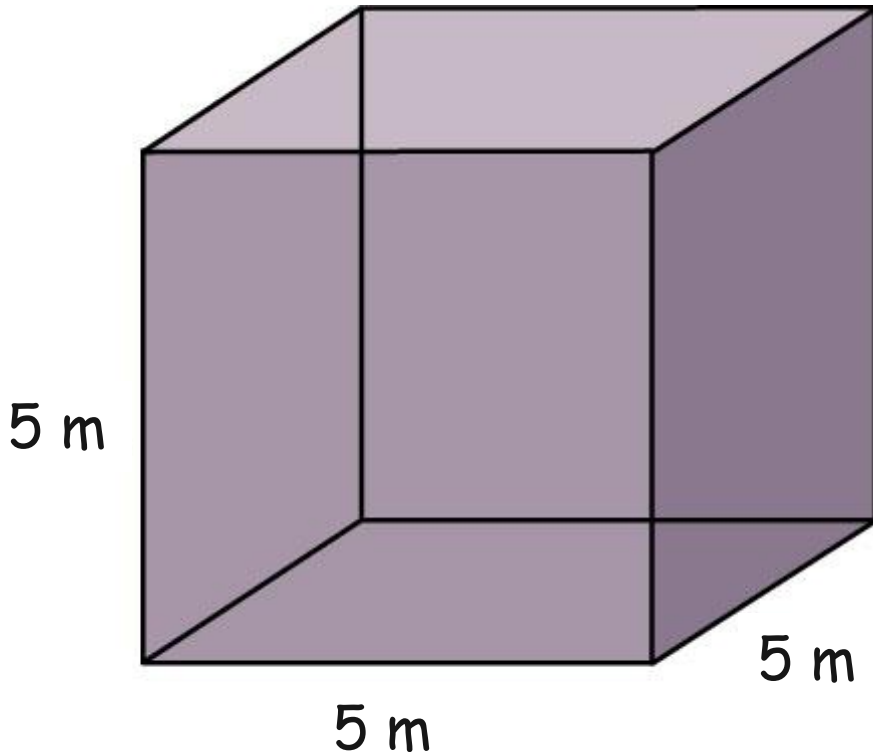
What is volume?



Volume is the amount of space an object takes up or occupies. In the metric system, volume is measured in either liters or meters.

REVIEW

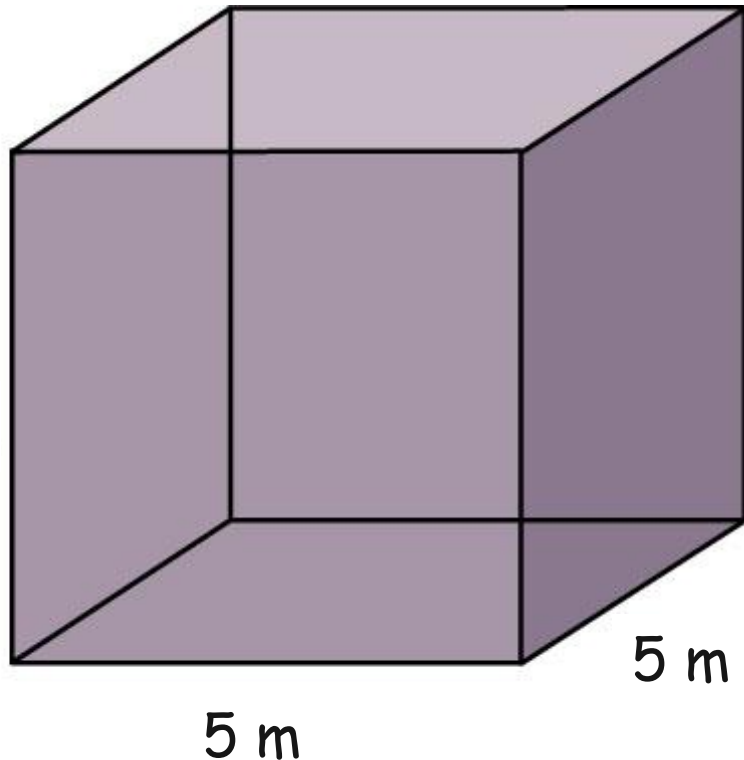
What formula would you use to find the volume of this cube?



What is the volume of the cube?

REVIEW

What formula would you use to find the volume of this cube?



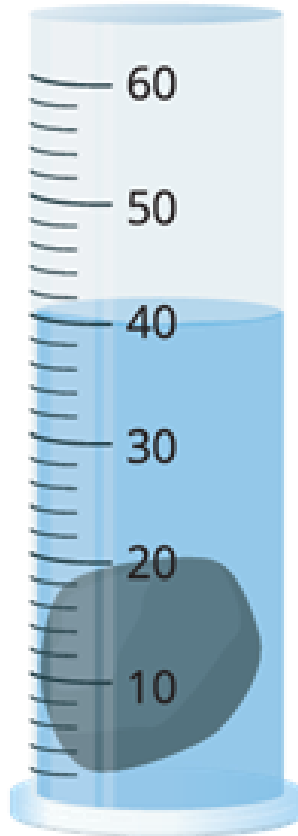
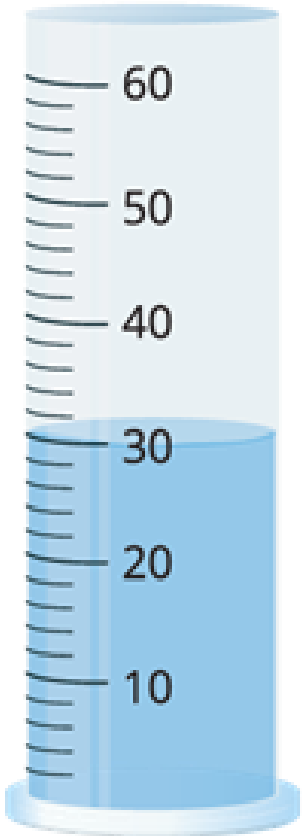
$$V = L \times W \times H$$

What is the volume of the cube?

$$125 \text{ m}^3$$

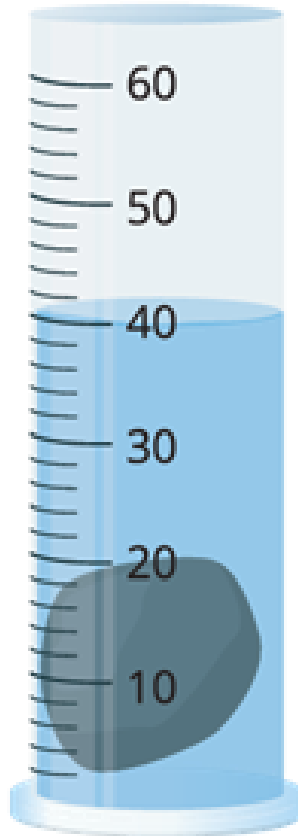
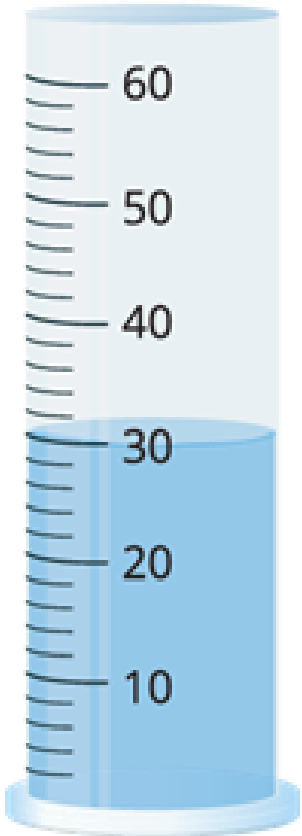
REVIEW

Using a cylinder, what is the volume of this irregular object?



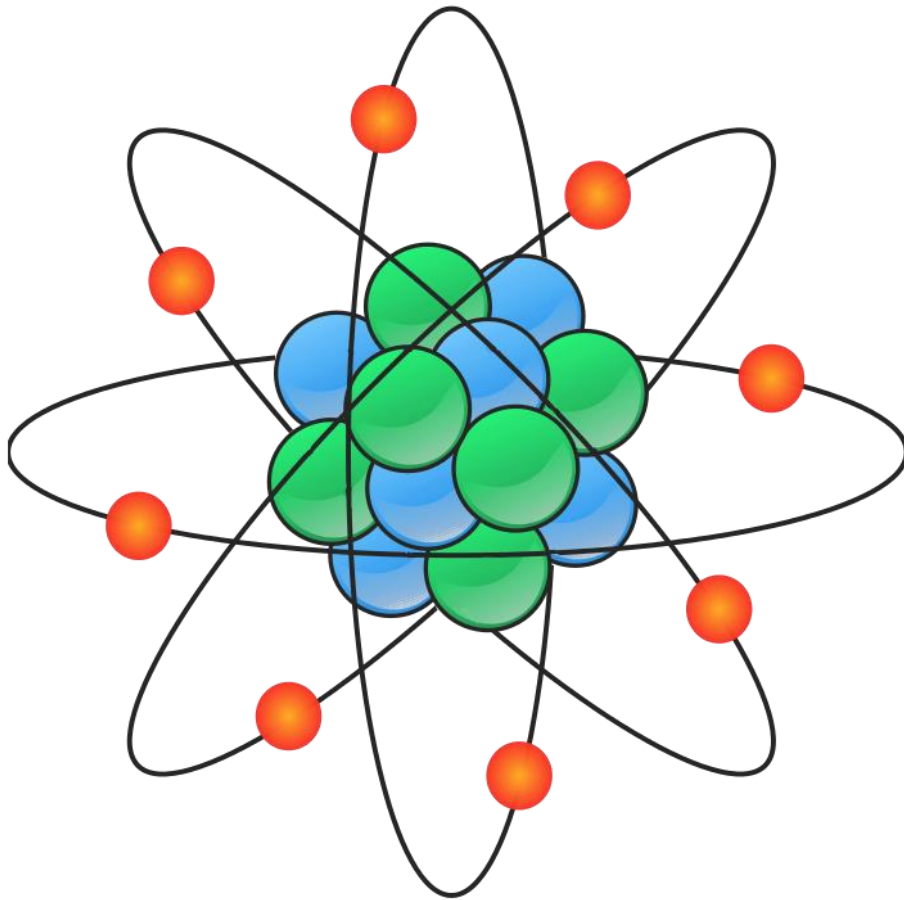
REVIEW

Using a cylinder, what is the volume of this irregular object?



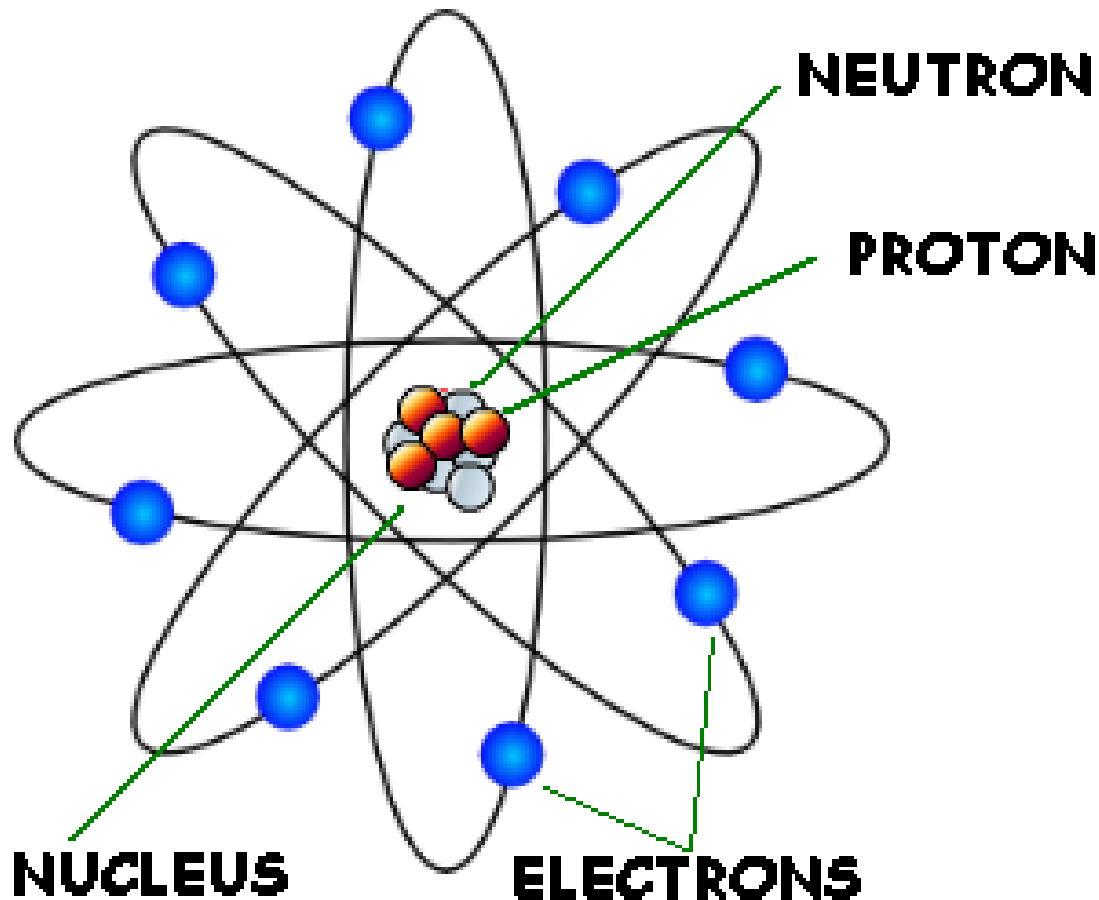
10 mL

What is the smallest unit of matter?



An atom is the smallest unit of matter. It is the basic building block for all matter in the universe.

An atom is made up of even smaller parts: electrons, protons, and neutrons.



Atoms fit together with other atoms to make up matter. It takes a lot of atoms to make up anything.



What
do you
think?

Which object has more
atoms?



or

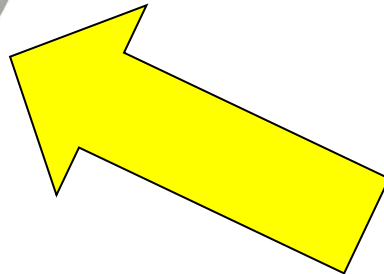


What
do you
think?

Which object has more
atoms?



or



What
do you
think?

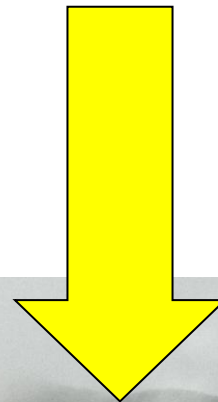
Which structure has less
atoms?



or

What
do you
think?

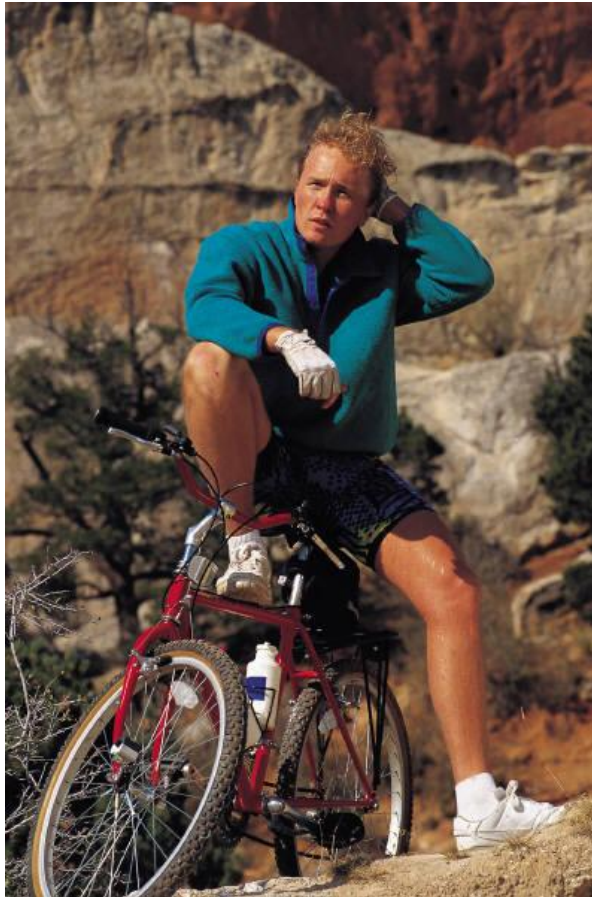
Which structure has less
atoms?



or

What
do you
think?

Which object has less
atoms?

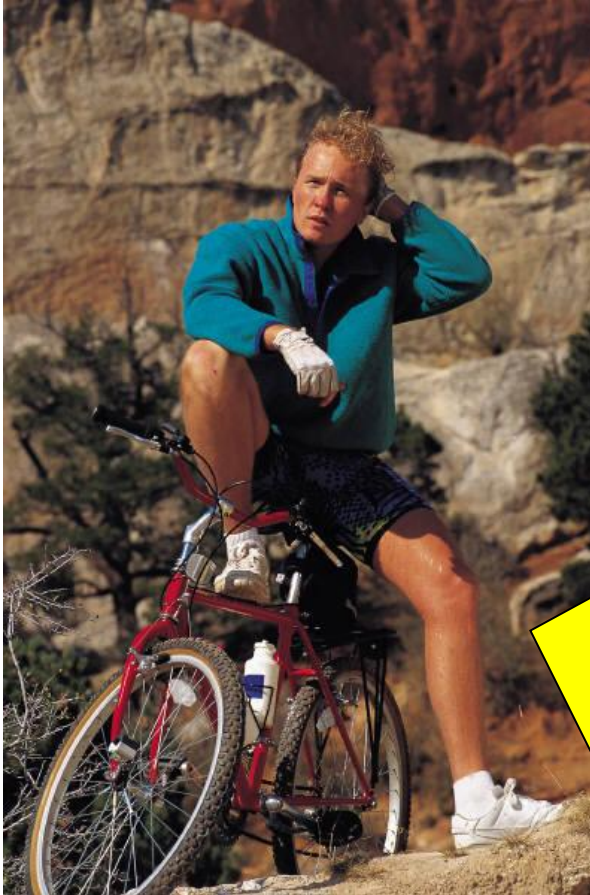


or

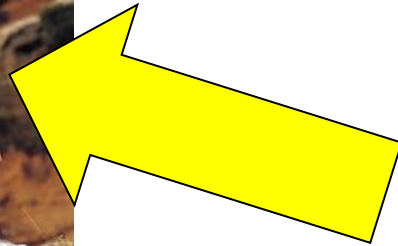


What
do you
think?

Which object has less
atoms?



or



What
do you
think?

Which object has more
atoms?



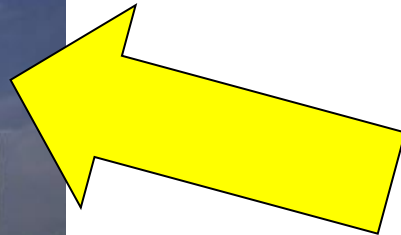
or



What
do you
think?

Which object has more
atoms?

or



Quick Quiz

1.) Name 5 examples of matter.

2.) What two things does matter have?

3.) What is the smallest unit of matter?

Quick Quiz

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Answers will vary: orange juice, air, shoes, ice, dog, bed, etc.

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Volume and Mass

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Atom



Hi! Thank you for your download. I'm so glad you were able to find a school tool you can use. Please feel free to use this activity for your own personal use or classroom. Hope it works out great!

♥ Marie

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