Mom! Guess what!  I'm on the phone.  Bob! Guess what!  Jenny! Guess what!  Not you!  Will you listen to me, Billy?  ...

Hey you can't talk! Just listen!  PLEASE, Billy.

Did you know an apple is made up of tiny particles?
The particles are always moving and are identical to each other.
And they're held together by a very strong electric force.

There are empty spaces between the particles that are very large compared to the particles themselves.

Every apple has unique particles different from anything else!

Also, the higher the temperature, the higher the speed of the particles. Some particles are close together and have strong forces of attraction between them.

Hey! Core back!

Heat is produced by 6 main ways!

Here's the list:

- Sun
- Fire
- Nuclear electricity
- Friction:
  - Fuel
  - See? Your burning.

Got a minute?

Done!

Did you know heat can change a state?

And a liquid can be a gas! And heat makes gas expand?

And heat makes particles move faster and spread out!

Heat makes it? Wow, your smart!

Thanks!

And a gas can be a solid!