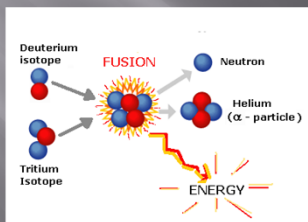


NUCLEAR FUSION

Definition: the joining of two or more smaller nuclei into one larger one, releasing huge amounts of energy. It looks like this:



Fusion Reactions



It is out of this world!!

- ▣ Fusion occurs in all stars, including the Sun. On Earth, scientists are trying to do it as well. The problem is that you need over 6 million degrees Celsius in order to make the reaction happen. If you can do it, the energy produced is about 100 times the amount of a fission reaction.

Good points about fusion

1. If you can make it work, you have the largest source of energy known to man.
2. It produces no radioactive waste, and no air pollution.
3. The fuel is cheap and there is lots of it.

Bad points of fusion

1. We cannot do it yet (bummer)!

Practice

- ▣ Video - [Fusion](#) (3.11)
- ▣ Worksheet - [Fusion](#)
