

Nuclear Fusion Worksheet

1. How is nuclear fusion different to nuclear fission?

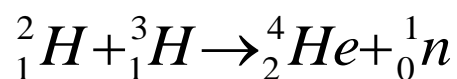
2. Nuclear fusion powers the Sun. What elements in the Sun are fused together in the Sun?

3. What is produced when these elements fuse?

4. How is the Sun able to produce nuclear fusion?

5. JET is an experimental fusion reactor near Oxford. It has not been able to produce large amounts of nuclear fusion. Why is it so difficult to get fusion reactions to work?

6. The main fusion reaction that could be used here on Earth is:



Explain what this reaction means.

7. What would be the source of the fuel required by a fusion reactor?
