

NUCLEAR POWER GENERATION

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

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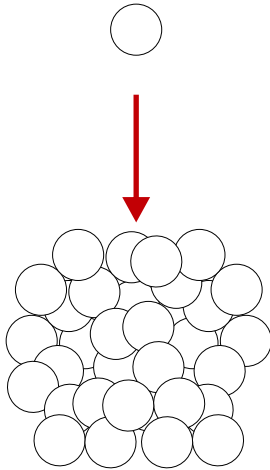
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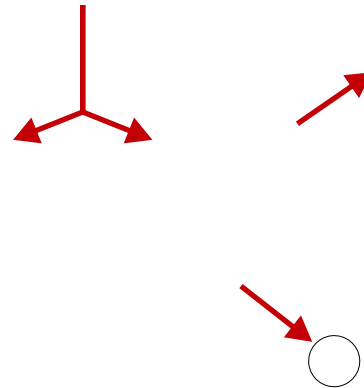
1. What is the name of the fuel used by nuclear power stations to produce electricity?

2. The incomplete diagram below, shows the process where by a uranium atom is split in two, in order to release energy in the form of radiation and heat. Complete the diagram, by adding the missing parts and colour shade.

NEUTRON SPLITS
URANIUM ATOM

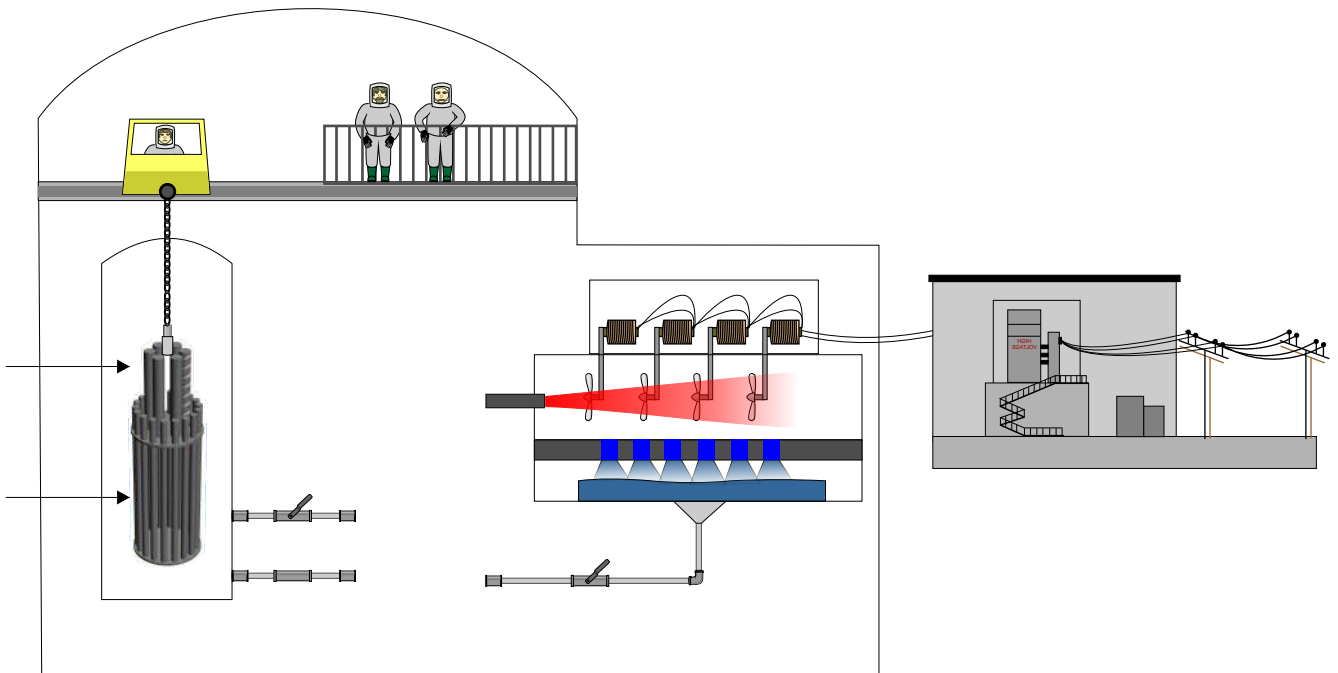


NEUTRON SPLITS
URANIUM ATOM
RELEASING ENERGY



3. What is the name of the process whereby the atom is split?

4. The incomplete diagram shows the generation of electricity, by nuclear power. **A.** Complete the diagram by adding the missing parts. **B.** Label the important parts / aspects. **C.** Add notes that explain the entire process.



GENERAL ADVANTAGES AND DISADVANTAGES OF NUCLEAR POWER GENERATION

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Nuclear power is constantly in the news, due to fears over potential accidents and the growing need to replace oil and other fossil fuels, as fuels burnt for the generation of electricity. Write six advantages and disadvantages of Nuclear Power.

ADVANTAGES:

1.

2.

3.

4.

5.

6.

DISADVANTAGES:

1.

2.

3.

4.

5.

6.

What do you feel is the future of Nuclear Power? Explain your answer.