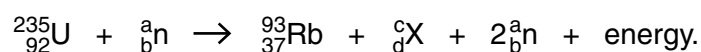


- 7 A uranium-235 nucleus absorbs a neutron and then splits into two nuclei. A possible nuclear reaction is given by



- (a) State the constituent particles of the uranium-235 nucleus.

..... [1]

- (b) Complete Fig. 7.1 for this reaction.

	value
a	
b	
c	
d	

[3]

Fig. 7.1

- (c) Suggest a possible form of energy released in this reaction.

..... [1]

- (d) Explain, using the law of mass-energy conservation, how energy is released in this reaction.

.....

.....

..... [2]