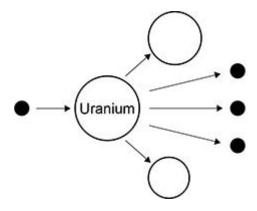
Questions are for separate science students only

Q1.

The process of nuclear fission is used in nuclear power stations.

The figure below shows the process of nuclear fission. (Physics only)



(a) Complete the sentences.

Choose answers from the box.

	electrons	gamma rays	neutrons	nuclei	protons
	In nuclear power stations, energy is released from uranium				
	The uranium ir	above figure spli	its into two parts	and releases	three
		f nuclear fission re		nagnetic radiat	ion in the
se	the Physics Equ	uations Sheet to a	 nswer parts (a)	and (b).	

	Energy output =
Radio	pactive waste produced by nuclear power stations has a long half-life.
	est one precaution taken to reduce the hazard caused by radioactive from power stations.
Nucle	ear power stations do not generate electricity every day of the year.
One r	nuclear power station generated electricity for 92% of a year.
one y	rear = 365 days
	late the number of days during the year that the nuclear power n generated electricity.

Q2.

(a) The process of nuclear fission takes place in nuclear power stations.

The process of nuclear fusion takes place in the Sun.

Draw one line from each process to its fuel. (Physics only)

Process	Fuel
	Hydrogen
Nuclear fission	
	Iron
	Lead
Nuclear fusion	
	Uranium
	(2)
	(Total 2 marks)