Radiation revision questions

1. Draw and label the structure of the atom
2. Explain what is meant by ionisation
3. a source gives out 456 particles in 20 seconds. Calculate the activity of the source.
4. Explain what is meant by the half-life of a source.
5. A source has an activity of 30 kBq after being stored for 2 days. If the half life is 8 h, what was its initial activity?
6. What are the three types of ionising radiation?
7. Design an experiment to determine the type of radiation from an unmarked source.
8. What is each type of ionising radiation absorbed by?
9. Name 4 nuclear disasters
10. Where was Chernobyl?
11. What are some positive ways of using radiation?
12. Name some advantages of using nuclear power.
13. Name some disadvantages of using nuclear power.

Radiation revision questions

1. Draw and label the structure of the atom
2. Explain what is meant by ionisation
3. a source gives out 456 particles in 20 seconds. Calculate the activity of the source.
4. Explain what is meant by the half-life of a source.
5. A source has an activity of 30 kBq after being stored for 2 days. If the half life is 8 h, what was its initial activity?
6. What are the three types of ionising radiation?
7. Design an experiment to determine the type of radiation from an unmarked source.
8. What is each type of ionising radiation absorbed by?
9. Name 4 nuclear disasters
10. Where was Chernobyl?
11. What are some positive ways of using radiation?
12. Name some advantages of using nuclear power.
13. Name some disadvantages of using nuclear power.