

Chapter 28 – Radioactivity

Learning Grid

Radioactivity	Questions	Answers
	What is radioactivity and who discovered it.	
	Explain what is meant by the activity of a radioactive source and state the unit of activity.	
	List three different methods of detecting radioactive decay.	
	Draw a Geiger-Müller tube and explain its method of detecting radioactive decay.	
	List the three different types of radioactive decay and their atomic structure.	
	Arrange the types of ionising radiation in order of their ionising power.	

Radioactivity	Questions	Answers
	Rank the different types of radiation based on their penetration ability.	
	Explain what is meant by mass defect and binding energy.	
	Explain the law of radioactive decay.	
	Explain what is meant by half-life.	
	List the four fundamental forces of nature in order of magnitude.	
	Which fundamental forces are examples of inverse square laws?	