

5TH YEAR GEOGRAPHY REVISION (SUMMER '25)

Focus: Physical Geography

1. Plate Tectonics

The Earth's Structure

- Layers of the earth
- Brief description of components of each layer

Theories of Plate Tectonics

- Continental Drift
- Sea-Floor Spreading
- Thermal Convection Currents

Types of Plate Boundaries

- Convergent, Divergent, Transform
- Describe what happens at each
- Give an example for each

Ireland's Tectonic Journey

2. Earthquakes

How Earthquakes Happen

- Components of earthquakes
- Description of how they occur at each plate boundary
- Diagram

Measurement

- Seismograph
- Richter Scale
- Mercalli Scale
- Prediction

Impacts and Reduction of Destructiveness

- Case Studies: Indian Ocean 2004 (Or own research case study)

3. Volcanoes

- Intrusive and Extrusive Features
- Types of Lava
- Life cycle of a volcano

4. Folding and Faulting

- How folding occurs
- Different types of folds
- Eras of folding

5. Rocks

Types of Rock

Human Interaction

- Uses of rock
- Focus on Quarrying/Fracking

4. Weathering and Erosion

Types of Weathering

- Mechanical Weathering
- Chemical Weathering

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Karst Landscape

- Formation of surface features
- Formation of underground features

5. Mass Movement

Types of Mass Movement

- One slow
- One fast

Influences on Mass Movement

6. Denudation (Weathering and Erosion)

Types of Weathering

- Physical
- Chemical
- Biological

Agents of Weathering

- Rock Type
- Surface Area
- Climate
- Vegetation
- Human Activity

Karst Landscape

- Surface Features
- Underground features
- The Burren

7. Rivers

Formation of Landforms

- One formed by erosion
- One formed by deposition

Human Interaction

- Dam (Shannon)

8. Coastal Processes

- Types of Waves
- Processes of Erosion
- One Feature of Erosion
- One Feature of Deposition

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ASSESSMENT LAYOUT																																																							
Time	2 Hours																																																						
Section One: Short Questions	Complete 8 out of 10 questions (16 minutes)																																																						
Section Two: Long Questions	Four Questions (3 parts each) Complete three questions only (a) 20 marks (8 minutes) (b) 30 marks (12 minutes) (c) 30 marks (12 minutes)																																																						
Link to One Note	3. Physical Geography (Web view)																																																						
Sample Questions Checklist	Revision (Web view) <table border="1" data-bbox="341 735 1182 1234"> <tbody> <tr><td>1</td><td>Plate Tect.</td><td>What happens at Destructive Plate Boundaries</td><td></td></tr> <tr><td>2</td><td>Plate Tect.</td><td>Explain how land is both created and destroyed</td><td></td></tr> <tr><td>3</td><td>Volcanic Act.</td><td>Global Dist. Of Volcanoes</td><td></td></tr> <tr><td>4</td><td>Volcanic Act.</td><td>Positive Impacts</td><td></td></tr> <tr><td>5</td><td>Earthquakes</td><td>Global Dist. Of Earthquakes</td><td></td></tr> <tr><td>6</td><td>Earthquakes</td><td>Predicting and reducing impacts of Earthquakes</td><td></td></tr> <tr><td>7</td><td>Fold Mountains</td><td>Global Dist. Of Fold Mts</td><td></td></tr> <tr><td>8</td><td>Fold Mts</td><td>Landforms created by folding/faulting</td><td></td></tr> <tr><td>9</td><td>Rocks</td><td>Explain the formation of Igneous rocks (Irish examples)</td><td></td></tr> <tr><td>10</td><td>Rocks</td><td>Explain the formation of Sedimentary rocks (Irish examples)</td><td></td></tr> <tr><td>11</td><td>Rocks</td><td>Explain the formations of Metamorphic rocks (Irish examples)</td><td></td></tr> <tr><td>12</td><td>Rocks</td><td>Describe and explain how this interaction with the rock cycle takes place, with reference to the extraction of building materials.</td><td></td></tr> <tr><td>13</td><td>Weathering</td><td>Explain one process of physical weathering and one process of chemical weathering.</td><td></td></tr> </tbody> </table>			1	Plate Tect.	What happens at Destructive Plate Boundaries		2	Plate Tect.	Explain how land is both created and destroyed		3	Volcanic Act.	Global Dist. Of Volcanoes		4	Volcanic Act.	Positive Impacts		5	Earthquakes	Global Dist. Of Earthquakes		6	Earthquakes	Predicting and reducing impacts of Earthquakes		7	Fold Mountains	Global Dist. Of Fold Mts		8	Fold Mts	Landforms created by folding/faulting		9	Rocks	Explain the formation of Igneous rocks (Irish examples)		10	Rocks	Explain the formation of Sedimentary rocks (Irish examples)		11	Rocks	Explain the formations of Metamorphic rocks (Irish examples)		12	Rocks	Describe and explain how this interaction with the rock cycle takes place, with reference to the extraction of building materials.		13	Weathering	Explain one process of physical weathering and one process of chemical weathering.	
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