

Year 10 Geography Knowledge Questions and Answers

<u>Questions</u>	<u>Answers</u>
1. The point under the Earth where an earthquake starts is called (epicentre or focus)?	focus
2. What does the Richter scale measure?	energy or magnitude/size
3. Name 3 ways of monitoring a tectonic hazard. (3)	Seismometers Escaping gas monitoring Tiltmeters/monitoring of the shape of the volcano Laser of earth movements Early warning systems
4. Name a HIC that has suffered from an earthquake. Give the date and the magnitude of this earthquake. (3)	Kashmir, Pakistan – 8 th October, 2005 and 7.2 Italy L'Aquila – 6 th April, 2009 and 6.3
5. Name the 4 types of erosion? (4)	Hydraulic Action Attrition Abrasion Solution
6. List the 4 types of transportation? (1)	Traction; Saltation; Suspension and Solution
7. What is the difference between a slide and a slump? (1)	Slide happen in a straight line, slumps happen with rotation Slide have high liquid contents than slumps Slides happen on a lower gradient than slumps
8. What does the term FETCH mean? (1)	The distance of which a wave travels to gain energy
9. What does the term discharge mean? (1)	The amount of water travelling past a particular point in a river measured in cumecs
10. Name one human and one physical reason that rivers flood. (2)	prolonged rainfall; heavy rainfall; geology; relief; deforestation; urbanisation; increased drainage_
10. What is the difference between hard and soft engineering?	hard are man-made structures that reduce flow; soft use knowledge of the river to reduce effects
11. What is urbanisation?(1)	Is the growth in the proportion od a countries population living in urban areas
12. Define the term megacity. (1)	A city with a population of over 10 million people

13. What does Natural increase mean? (1)	The difference between the birth rate and death rate that increases a locations population
14. Name a city in an LIC that have studied, list 2 opportunities and 2 challenges of living in this city? (5)	Mumbai – better opportunities for people; better health care; better education; better access to resources; more jobs; increased wages Shanty towns –overcrowded; lack of basic services; lack of medical care; informal work; low pay; lack of safe clean drinking water; air pollution; lack of waste collection; traffic congestion
15 What does deindustrialisation mean? (1)	The removal of heavy industry from a location that cause high levels of unemployment and urban deprivation
16. Give 2 pieces of evidence that London is suffering from Urban Deprivation? (2)	low incomes; high unemployment in some areas; high %of school leavers without qualifications; redevelopment of areas; derelict buildings; low quality housing
17. Give two ways that a city can become more sustainable? (2)	Water conservation schemes; energy conservation schemes; creating green space; waste recycling; integrated transport networks
18. What problem does traffic congestion cause in an urban area? (1)	Air pollution; delay of deliveries; lack of work hours; reduced pay for some people; higher rates of accidents; delay to emergency services
19. Name a city that has developed a sustainable transport system (1)	Curitiba or London
20. For an urban area in a HIC, name it and give one way they have regenerated the area to improve the quality of life for its residents (2)	Stratford in London - Olympic stadium; new housing; Westfield shopping centre; green space; new transport network; new housing; new facilities
21. Which type of air pressure occurs at the Equator, high or low?(1)	low
22. Name 3 conditions needed for the formation of a tropical revolving storm? (3)	Sea temps 27°C Deep water (over 60m) Latitudes between 5-20°C Low wind shear
23. What is the centre of a tropical revolving storm called and name one weather condition you will find there? (2)	eye and calm/dry weather

24. Why do Tropical Storms stop when they travel over land? (1)	There is no warm, moist ascending air which fuels the storm There is no deep water to provide wet air The temperatures may drop
25. Identify one way that climate change will affect Tropical Revolving Storms? (1)	Increase in frequency Increase in intensity Increase in damage
26. Name a tropical revolving storm case study and the country that it affected? (2)	Katrina – USA Haiyan – Philippines
27. Name 3 types of extreme weather that we receive in the UK. (3)	Rainstorms/wind Blizzards/snow and ice Hailstorms Heatwaves drought
28. List the 4 layers that exist in a tropical rainforest in order (top to bottom)? (4)	Emergents, Canopy, Under canopy, shrub Layer
29. Give 2 ways that plants have adapted to a tropical rainforest environment? (2)	tall trees – for sunlight and photosynthesis Buttress roots- for support Drip tips on leaves – channel water to run off so that weight of water does not damage plant Climbing plants – use other plants to climb for sunlight Waxy coating – to repel rain and predators
29. Why is the biodiversity in a cold environment low? (1)	Due to temperatures and wind plants grow slowly and the growing season is very short
30. Name 2 opportunities of developing in Alaska (2) 31. Name 2 challenges of developing in Alaska (2)	Oil and gas; mineral resources; fishing; tourism Cold climate; extreme temperatures; inaccessibility; permafrost; oil spills; lack of population for employment; mountains
32. Define development. (1)	Is the progress in economic growth, use of technology and improving welfare that a country has made
33. Give 3 reasons why LIC's are not as developed as HIC's (3)	Lack of resources to sell and trade Climate issues Lack of infrastructure Higher levels of primary industry compared to tertiary industry High rural populations Conflict Natural disasters

<p>34. List 2 advantages and 2 disadvantages of a TNC in a LIC (4)</p>	<p>Advantage– creates jobs; more reliable income; improves local infrastructure; brings new technology Disadvantage – low wages; long hours; poor conditions; leakage of profits; jobs are not secure</p>
<p>35. Why are science parks located near University cities? (1)</p>	<p>Research; skilled employees; transport links; funding; technology</p>