

Canadian Geography 1202 January Exam Review Questions

Unit 1: Systems and Systems Thinking (Refer to pages 46-83 in text)

1. Define system. (see p.48)
2. Distinguish between natural and human systems. Give examples of each. (see p.48-61)
3. What characteristics do all Natural Systems have in common? (see p.55)
4. What characteristics do all Human Systems have in common? (see p.60)
5. Explain what is meant by “systems thinking”. (see p.69)
6. Explain the concept of “sustainable development” (see p.69)
7. Explain why “systems thinking” is an important approach for sustainable development.
8. Name and describe Earth’s 4 giant systems or spheres (atmosphere, lithosphere, hydrosphere and biosphere) (see p.50-53)
 - Explain the greenhouse effect and the water cycle. Use diagrams to support your answers.
9. How does plate tectonics help explain the location of volcanoes and earthquakes on planet Earth?
10. Using specific examples, explain how human systems and natural systems are inter-related.
11. What is an eco-footprint? Explain how Dick Proenneke’s footprint, in the video “Alone in the Wilderness” differed from most people.
12. Name the provinces and territories and their capital cities.
13. Students are responsible for any assignments, hand-outs or homework assigned.

Unit 2: Canada’s Ecozones (Refer to pages 100-153 in text)

1. Know and explain the meaning of ecozones
 1. Definition
 2. Characteristics
 3. Uses
 4. How people affect them
 5. Biodiversity
2. Explain how the study of ecozones supports systems thinking.
3. Know the following words: marine and terrestrial ecozones, habitat, ecology, boundaries, transition zones
4. Know the following climate concepts as related to each ecozone.
 1. temperature range (know how to calculate this)
 2. continentality (continental, maritime, northern)
 3. Types and location of precipitation (orographic, frontal, convectional). Be able to draw a labelled diagram of each and explain the process involved.

Know the 5 ecozones as completed in the graphic organizers from class. Keys are found on my web page as are power points on each ecozone.

 - i. Southern Arctic
 - ii. Boreal Shield
 - iii. Mixwood Plains
 - iv. Montane Cordillera
 - v. Prairie
5. Know the natural systems for each ecozone (climate, soil, landform, waterform, vegetation, wildlife)
6. Know how ecozones influence human activity and how human activity influences ecozones – (Eg. positive and negative relationships, responsibilities of various stake holders etc)
 1. Resources/industrialization
 2. Threats/issues Students should be able to evaluate which human activities have the biggest impacts on ecozones.
 3. Population distribution and reason that explain the pattern

7. Students should evaluate the significance of the relationships as found in #7. **Be sure to review the case on p.140 re aggregates in Niagara Escarpment.**
8. Know the case study on the Arctic Melting and its potential impact on salmon stocks
9. Know the case study “Warming Waters Will Bring Many Changes” and its potential impact on the ocean ecosystem.
10. Describe the 7 factors that influence climate LOWERN (Latitude, Ocean Currents, Winds, Elevation, Relief, Nearness to Water}
 - Other terms to know: marine vs. continental climate; thermostatic effect; prevailing wind; temperature range; windward slope; leeward slope; rain shadow
11. Define marine/maritime climate.
12. Define continental climate.
13. Explain the reasons why marine and continental climates are different. Discuss location and the thermostatic effect of the ocean.

Unit 3: The Human Landscape (Refer to pages 154-181in text)

1. Patterns in Canada's Population Distribution
 - Define: demography, diversity, population, population distribution, dispersed vs. concentrated population, population density – sparse vs. dense
 - Calculate population density
2. Factors Influencing Canada's Population Distribution
 - Explain how the following factors contribute to Canada's population distribution:
 - Landforms, coastal and inland water forms, climate
 - Question: Where do most Canadians live and why do they live there? Which ecozones are least and most populated? Why?
3. Patterns in Growth of Canada's Population
 - Define: birth rate, death rate, natural population change, actual population change, rate of natural increase. **Know how each of these is calculated.**
 - Describe what changes have occurred in Canada's average family size and rate of natural increase. What factors have contributed to these changes?
 - What factors influence birth rates and death rates in a country?
4. The Effects of Migration on Canada's Population
 - Define: migration, immigrant, emigrant, net migration, natural population change, actual population change, rate of natural increase, prejudice, discrimination, , “melting pot vs tossed salad”
 - Define Multiculturalism and Assimilation
 - What are some advantages and some challenges of Canada’s multicultural policy?
5. Why People Become Immigrants
 - Define: push and pull factors, intervening obstacles
 - Know Canada’s Immigration Policy – family class immigrants, independent immigrants, and refugees