

Chapter 1 Homework

Environmental and occupational health

8-24-24

1. Define the following terms:

- a. **Population dynamics:** the study of a population over a given period, which would include their birth rates, immigration and death rates.
- b. **Completed fertility rate:** Would be defined as the average number of children a Woman may have if she lived to the end of her childbearing years.
- c. **Environmental health:** Branch in Public Health which prioritizes the relationships between individuals and the environment they live in. The goal is to promote healthy and safe communities.
- d. **Environmental risk transition:** Defined as a process where communities with environmental health issues become more developed and experience new issues.
- e. **Environment, physical and social:** The physical environment would consist of the soil around us, our water and air. Social environment is the entirety of a society's beliefs, their practices and different behaviors.
- f. **Demographic transition:** differences over time in a population's makeup. A population make up consists of fertility and mortality rates.
- g. **Epidemiologic Transition:** This describes the changes in the patterns in a population in terms of fertility, morbidity, and mortality.

2. Discuss three of the six major objectives (Outdoor Air Quality) environmental health, as described in *Healthy People 2020*. What steps can be taken in your community to accomplish the objectives you selected?

- a. The first objective to accomplish would be to improve outdoor air quality, this can be improved by reducing toxic air emissions. Toxic and waste would be the next to improve by increasing recycling initiatives. Lastly, water quality I would choose to improve by reducing water withdrawals for conservation.

3. Describe the three P's that are principal determinants of health worldwide. Discuss how the three P's could be considered interrelated characteristics. Can you think of other consequences of the three P's that are not discussed in the text?

- a. The three P's consist of population, pollution, and poverty which describe the determinants of health worldwide. Poverty and population increase are interrelated to increasing pollution. Pollution is increased by the burning of fossil fuels, such as coal and oil, which in turn releases greenhouse gasses. This process of releasing greenhouse gasses and other pollutants contributes to global warming. Another consequence of the three P's could be the spread of disease carrying insects into different regions. Such as the zika virus

Chapter 1 Homework Eths

Abba Kastin, Abba J. Kastin



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Handbook of Biologically Active Peptides Abba

Kastin,Abba J. Kastin,2011-04-28 Peptides play a crucial role in many physiological processes including actions as neurotransmitters hormones and antibiotics Research has shown their importance in such fields as neuroscience immunology pharmacology and cell biology The Handbook of Biologically Active Peptides presents for the first time this tremendous body of knowledge in the field of biologically active peptides in one single reference The section editors and contributors represent some of the most sophisticated and distinguished scientists working in basic sciences and clinical medicine The Handbook of Biologically Active Peptides is a definitive all encompassing reference that will be indispensable for individuals ranging from peptide researchers to biochemists cell and molecular biologists neuroscientists pharmacologists and to endocrinologists Chapters are designed to be a source for workers in the field and will enable researchers working in a specific area to examine other related areas with which they would not ordinarily be familiar Chapters are designed to be a source for workers in the field and will enable researchers working in a specific area to examine other related areas that they would not ordinarily be familiar Fascinating relationships described in the book include the presence of some peptides originally found in frog skin that persist in the human human and brain where they can affect food intake and obesity

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