Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Quiz 10: Environmental Oncology

**Read** questions *carefully* and follow directions. You can receive extra credit by adding correct, relevant information to questions.

1. What are ABCDEs for melanoma detection? (See lab if you forgot)
   1. A\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. B\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. C\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   4. D\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   5. E\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What are sources of carcinogens from the macro-environment?
   1. Asbestos in old homes
   2. Cigarette smoke
   3. Industrial pollution
   4. Ilopestheylete in processed foods
3. What would tobacco be classified as, according to the IARC?
   1. Group 1
   2. Group 2
   3. Group 3
   4. Group 4
4. What foods could possibly put you at risk from *developing cancer* (C)? Which ones are *protective* (P) – put you less at risk? Put a C or a P on the line next to each food.
   1. Olive oil \_\_\_\_\_\_\_\_\_\_\_\_
   2. Milk \_\_\_\_\_\_\_\_\_
   3. Bran muffins \_\_\_\_\_\_\_\_\_\_\_
   4. Carrots \_\_\_\_\_\_\_\_\_\_
   5. Smoked pork brisket \_\_\_\_\_\_\_\_\_\_\_
5. What are some ways that the body protects itself from cancer cells?
   1. Apoptosis
   2. Spinal meningitis
   3. Macrophages
   4. All of the above
   5. A & C
6. Which can directly cause cancer?
   1. MRSA bacteria
   2. Human papilloma virus
   3. Indigesteritis
   4. All of the above
7. Answer True (T) or False (F) concerning your Final Project.
   1. \_\_\_\_\_\_ You need to include a graph of the data collected from soil or water nutrient measurements (e.g., levels of nitrates)
   2. \_\_\_\_\_\_ Each section (e.g., Results) needs to be labeled on the paper and in presentation slides
   3. \_\_\_\_\_\_ You will be given points for participating
8. How does angiogenesis affect cancer cells?
   1. By producing blood vessels, more oxygen and nutrients feed the cells/tumor
   2. This process allows cells to mutate into cancer cells
   3. This produces oncogenes
   4. Subdermal oncocytes release thyroxine, which enhances cancer-cell development
9. What known carcinogen is added to chicken feed to make chickens bigger?
   1. Genetically-modified organisms
   2. Bovine growth hormone
   3. Arsenic
   4. All of the above
10. Write in APA a bibliographic citation for this article from the journal “Ecoloeconomica”:

Article: Impacts of date palms (*Phoenix dactylifera*) on rainforest ecology and local economy

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Note: Not a real source, so don’t hassle Google or easybib.