

## Biology of Cancer Questions and Key Terms.

### Biol 102 Matter and Life

Suggested Chapter Questions: There are no specific questions for this section. However I have highlighted a few specific questions/points that you should know after going over your notes. Please use the internet to support your learning. I have already linked a few sites that will be helpful to you.

#### Learning Objectives:

- 1) Know what cancer is in general terms.
- 2) Know how cancer is considered an age related disease.
- 3) Understand how cancer needs multiple effects for the disease to occur.
- 4) What are the factors that cause cancer
- 5) Understand the stages and progression of cancer.
- 6) Relate the differences between a benign and malignant tumor.
- 7) What is the multiple hit theory of cancer?
- 8) What are the forms of cancer we discussed in class and their risk factors.
- 9) Describe what angiogenesis is (both from the video and the supplemental information).
- 10) How was angiogenesis first discovered?

#### Practice Cancer Questions:

The process of growing blood vessels is

- a) Angiogenesis
- b) Cancer
- c) Hyperplasia
- d) Metastasis

An agent that changes the cell's DNA is a / an

- a) Initiator
- b) Promotor
- c) Cell growth inhibitor
- d) Beta blocker

Tumors that grown and spread through the lymph are

- a) Benign
- b) Malignant
- c) Angiogenic
- d) Too small to be detected

A gene that inhibits cell growth is called a / an:

- a) Tumor suppressor
- b) Oncogene
- c) Mutant
- d) Promotor

The name of the person who discovered angiogenesis is

- a) Marie Curie
- b) Otto Warburg
- c) Stanley Kornberg
- d) Judah Folkman
- e) John Exton

Which behavior is responsible for 30% of all cancer deaths

- a) Smoking

The largest killer of people in the US for all ages is

- a) Heart disease
- b) Cancer
- c) Aids
- d) Accidents/Homicide
- e) Watching Survivor All Stars!

A combination of several mutations are required to cause cancer

- a) true
- b) false

The stage of cancer where cells are beginning to grow into the surrounding tissue is

- a) Hyperplasia

- b) Displasia
- c) In situ cancer
- d) Metastasis

Is a mild non-aggressive cancer

Melanoma cancer  
 Is due to breast tissue becoming cancerous  
 Is most likely to occur in black populations  
 Is a cancer of pigment cells

A woman stands \_\_\_\_\_ chance of ever getting breast cancer.

- a) 1 in 2
- b) 1 in 8
- c) 1 in 100
- d) 1 in 1000

Key Terms:

Cancer	Hyperplasia	Benign
Initiating agent	Displasia	Malignant
Promoting agent	In Situ Cancer	Melanoma
Oncogene	Invasive Cancer	Breast Cancer
Tumor Suppressor	Metastasis	Colon Cancer