

## Cell Biology

### Brainpop—Cancer

Name:

Period:

Watch the Brainpop on cancer, then answer the questions below. You can also look up key terms in your textbook if you are getting stuck.

\_\_\_\_\_ 1. How do healthy cells differ from cancerous cells?

- a. cancerous cells are bigger than ordinary cells
- b. cancerous cells divide; healthy cells don't
- c. cancerous cells reproduce faster than healthy cells
- d. cancerous cells contain extra viruses and bacteria not found in healthy cells

\_\_\_\_\_ 2. Which of the following is the best synonym for "benign"?

- a. scary
- b. small
- c. uncontrollable
- d. harmless

\_\_\_\_\_ 3. What might happen if your cancer metastasized?

- a. you would develop a small, harmless lump called a tumor
- b. your cancer could spread to a totally different area of your body
- c. most of your body's cells would become cancerous
- d. you would develop cancer in your bloodstream

\_\_\_\_\_ 4. How does smoking cause cancer?

- a. exposure to smoke causes infections in your lungs
- b. exposure to smoke damages your cells' DNA
- c. exposure to smoke strips protective layers of tissue from your mouth and throat
- d. tobacco residue gradually builds up and forms tumors in your lungs

\_\_\_\_\_ 5. "Hereditary factors contribute to cancer." What does this sentence mean?

- a. people can inherit the tendency to develop cancer from their parents
- b. cancer is caused by damage to DNA
- c. if a member of your family has cancer, you'll definitely get it too
- d. it's easy to catch cancer from members of your immediate family

\_\_\_\_\_ 6. Which of the following is carcinogenic?

- a. meat that has been tainted by bacteria
- b. radioactive waste
- c. fatty and sugary foods
- d. carbon dioxide

\_\_\_\_\_ 7. What gives you the best chance of surviving cancer?

- a. treating it with powerful drugs
- b. catching it early on
- c. making sure you don't smoke until you're an adult
- d. maintaining a healthy diet

\_\_\_\_\_ 8. What can you infer from the fact that things like chemotherapy and radiation therapy can help patients beat cancer?

- a. many more people survive cancer today than in the past
- b. the survival rate for cancer is close to 100 percent
- c. fewer people develop cancer today than in the past
- d. chemotherapy and radiation therapy are the only two treatments available to cancer patients

\_\_\_\_\_ 9. If your doctor prescribed chemotherapy, what would happen to you?

- a. your body would be exposed to cancer-killing radiation
- b. you would undergo multiple full-body scans
- c. you would undergo surgery
- d. you would take cancer-fighting drugs

\_\_\_\_\_ 10. Which person is at the greatest risk of developing cancer?

- a. a 5-year-old
- b. a 20-year-old
- c. a 35-year-old
- d. a 65-year-old