

1. Write the answers TRUE or FALSE for the following questions:

- \_\_\_\_\_ What happens before birth does not affect learning.
- \_\_\_\_\_ The brain is completely developed at birth.
- \_\_\_\_\_ Brain development is completely genetic.
- \_\_\_\_\_ The bigger newborns head the smarter the baby.
- \_\_\_\_\_ Brains get more active as they mature.

2. How developed is a baby's brain?

3. How many brain cells does a newborn have? \_\_\_\_\_

4. Write out the following:

1 million = \_\_\_\_\_

1 hundred million = \_\_\_\_\_

1 billion = \_\_\_\_\_

100 billion = \_\_\_\_\_

5. Referring to the storybook, how many posters would be needed to equal 100 billion?

How many posters would each classmate need to equal 100 billion?

6. What is the brain cell called? \_\_\_\_\_

7. What are dendrites and how many does each cell have?

8. How are synapse connections activated?

9. Why is it better for a baby to live in a stimulated environment?

10. What does synaptic density look like in a newborn?

11. What does synaptic density look like in a 7 year old?

12. What happens to the synaptic density of an adolescent?

13. How does neglect affect brain growth?

14. Check your answers to the True/False questions. How many did you get right?