## Part 3: How Computer Memory Works

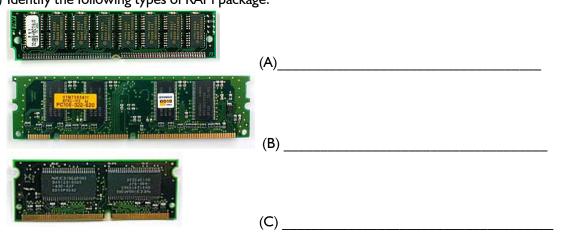
Use the site howstuffworks.com to answer the following questions.

| 8)           | What | does | <b>RAM</b> | stand | for? |
|--------------|------|------|------------|-------|------|
| $\mathbf{v}$ |      |      |            |       |      |

| 9) RAM is measured in Megabytes or Gigabytes. How many Megabytes are in one Gigabyte? |
|---------------------------------------------------------------------------------------|
| 10) The most common form of RAM is:                                                   |
| II) What electronic devices are used to store data in Dynamic RAM?                    |
| 12) How often does a memory controller automatically refresh memory in dynamic RAM?   |
| 13) On what substance are memory cells etched?                                        |
| 14) What sets static RAM apart from dynamic RAM?                                      |

16) Identify the following types of RAM package:

15) Memory chips are normally available as part of what type of card?



Find the Kingston Technology "Ultimate Memory Guide". (There is a link on How Stuff Works, or you can Google it.) Answer the following questions.

- 17) How much RAM is described as "optimal" for a Windows XP computer? \_\_\_\_\_
- 18) How much RAM is recommended for a "Mainstream" computer running Vista? \_\_\_\_\_