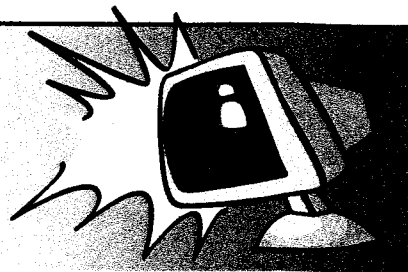


# Stem Cells in the Spotlight



Log on to: <http://gslc.genetics.utah.edu/units/stemcells> and explore this module to find the answers to the questions below.

1. What is a stem cell?
  
2. What does it mean to differentiate?
  
3. A stem cell differentiates by making new \_\_\_\_\_.  
     Lipids                  Carbohydrates                  Proteins
  
4. Drag Stem Cell Guy into the Differentiation Booth and dial #5 for Skeletal Muscle Cell. What is the scientific name of the cell type Stem Cell Guy will become?
  
5. Return to the Differentiation Booth and choose another type of cell. Create a quiz question from the information given. Write the cell type you chose, the question, and its answer below.

6. Fill out the table below

|             | Definition | Example cell type |
|-------------|------------|-------------------|
| Totipotent  |            |                   |
| Pluripotent |            |                   |
| Multipotent |            |                   |

7. What is the primary goal of stem cell research?

