

Science Skills *continued*

Use the information below to answer questions 4-6.

"Blood Cells"

EXPERIMENT B

The cell membrane of red blood cells is permeable to water but not to sodium chloride, NaCl. Suppose that you have three flasks:

- Flask X contains a solution that is 0.5 percent NaCl.
- Flask Y contains a solution that is 0.9 percent NaCl.
- Flask Z contains a solution that is 1.5 percent NaCl.

To each flask, you add red blood cells, which contain a solution that is 0.9 percent NaCl.

Read each question, and write your answer in the space provided.

4. Predict what will happen to the red blood cells in flask X.

5. Predict what will happen to the red blood cells in flask Y.

6. Predict what will happen to the red blood cells in flask Z.
