

130 WORKSHEET (2.1)

**Name** \_\_\_\_\_

Let  $U = \{\text{All people who work for University Hospital}\}$

$N = \{\text{Nurses who work for University Hospital}\}$

$D = \{\text{Doctors who work for University Hospital}\}$

$M = \{\text{Males who work for University Hospital}\}$

*Note: Do you think that all the employees at a hospital are either nurses or doctors?*

Consider all of the following people who work at University Hospital, which of them belong to the following sets?

- a. Dr. Susan Adams
- b. Dr. John Black
- c. Ms. Alice Chen, who is a nurse.
- d. Mr. Alan Drake, who is a nurse.
- e. Ms. Alexandra Nicole, who is a lab technician.

1.  $U$
2.  $N$
3.  $D$
4.  $M$
5.  $\bar{U}$
6.  $\bar{D}$
7.  $\bar{N}$
8.  $\bar{M}$
9.  $N \cap M$
10.  $N \cup M$