

REMEMBER:

The independent variable is the variable that the experimenter manipulates.

The dependent variable is the one which the experimenter measures.

It may also help to remember that the hypothesis states that the dependent variable depends on the value of the independent variable.

For the following hypotheses, give the independent variable and the dependent variable. Be precise!

1. There is a difference in the speed with which people react to visual and auditory stimuli.
2. Drug A affects memory.
3. Bulls charge more often when presented with a red rag than when presented with a blue rag.
4. First children learn to speak earlier than second and subsequent children.
5. Men drive faster than women.
6. Lack of sleep affects learning in 10-year-old boys.
7. A baby under 9 months of age will not search for a hidden object.
8. Social class affects IQ scores.
9. It is easier to remember items which are 'chunked' together than it is to remember individual unconnected items.
10. Time of day affects alertness.
11. People learn fewer words in silent conditions than in noisy ones.
12. Handled rats learn a maze faster than non-handled rats.

EXTENSION

Which of the hypotheses above are directional and which are non-directional?