

Solutions

2.1

- Detection of a stimulus by a sense organ.

2.2

- The smallest change in a stimulus that can be noticed.

2.3

- The eye detects light from the face.
- The brain interprets that information as a particular person.

3.1

- The difference threshold is proportional to the starting stimulus.
- One extra candle is a large change from two.
- It is a small change from fifty.
- Therefore it is more likely to be detected in the darker room.

3.2

- Both concern detecting stimuli.
- An absolute threshold is the smallest stimulus detected at all.
- A difference threshold is the smallest change detected.
- One asks whether a stimulus is detected; the other asks whether a change is noticed.