

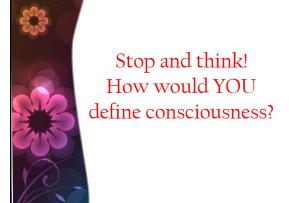
# What is Consciousness?

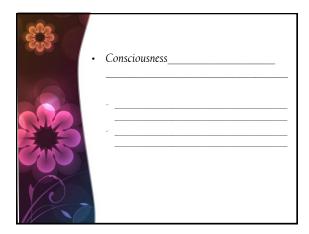
Module 5 Dual Processing, Sleep and Dreams



# Module Objectives

- What is consciousness?
- What are the stages of sleep?
- How does sleep deprivation effect us?



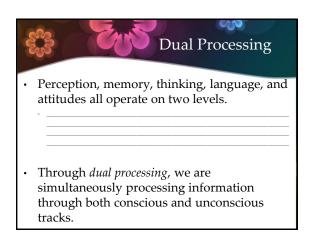


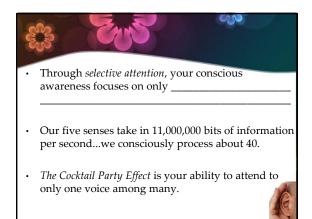
Consciousness is a spectrum that ranges from low to high levels of awareness.

Awake

LOW

THINK







## **Inattentional Blindness**

Inattentional blindness refers to the

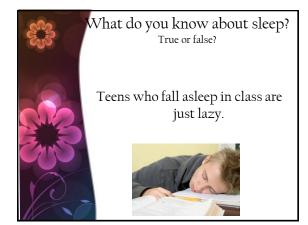
an object or a person in our midst.

Simons & Chabris (1999) showed that half of the observers failed \_\_\_\_\_





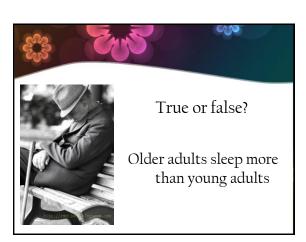
Ahhh...Sleep

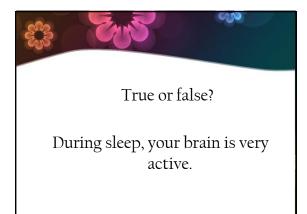




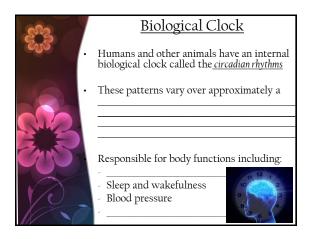
# True or False?

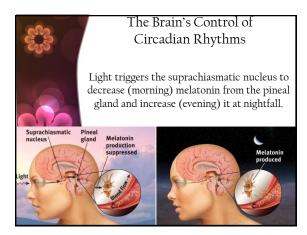
Health problems such as obesity, diabetes, hypertension, and depression are related to the amount and quality of a person's sleep.











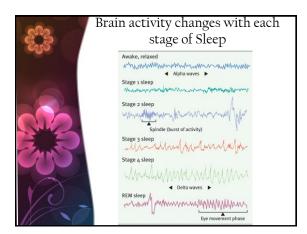
# 



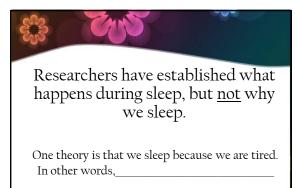
## Non REM Sleep

- NREM (non-rapid eye movement)
  - Slower EEG activity occurs
  - The heart rate and respiration are slower during NREM
- People become more difficult to awaken as they progress through the four stages of NREM sleep.









A variety of theories have been proposed for the need for sleep.

Armadillo

Armadillo

19.9

14.3

First, from an evolutionary perspective, sleep may have developed because

Sleeping when it is dark keeps us from getting hurt or becoming a meal!

# <u>Memory storage</u> REM Helps consolidate memories Brain areas that are active during the learning of the task become active again during sleep. As long as they get at least 6 hours of sleep





# Sleep Deprivation

- A fatigued, sleep deprived person may experience:
  - Irritability

  - A depressed immune system
  - Greater vulnerability to accidents
  - \_% of students are sleep deprived!



Are you sleep deprived?

Take the quiz to find out!

