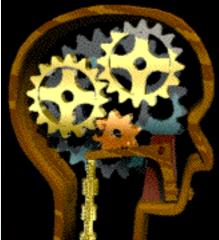
PHIL/PSYCH 256 INTRODUCTION TO COGNITIVE SCIENCE Week 8: Review



PLEASE PUT AWAY ALL ELECTRONIC DEVICES

Comparison

Rules	Concepts	Analogies	Images
general	general	specific	specific
sentence	word	story	sensation

Rule, logic: If dog then furry.Concept: DogAnalogy: Lassie go home

Image:



Evaluation: How to Proceed?

- 1. Pick one approach (e.g. rules, connectionism) as the RIGHT way to do cognitive science.
- 2. Produce hybrid models, combining approaches.
- 3. Develop new unified theory, e.g. based on theoretical neuroscience.
- 4. Reject all computational approaches to mind in favor of dualism, mysticism, embodiment.

Challenges to Cognitive Science

- 1. Brain.
- 2. Emotion.
- 3. Consciousness.
- 4. Body.
- 5. World.
- 6. Dynamic systems.
- 7. Social.



Mind-body problem

- Dualism: person = mind + body
- Materialism: mind is matter
 - Identity theory: mind = brain
 - Eliminativism: reject commonsense
 - Mysterion: mind to complicated to understand
- Functionalism: mental states are functional inputoutput states, independent of hardware

Discussion Question

 Which approaches to understanding mental representation and computation do you find most plausible?

One-minute Essay

• What is a hybrid model?

- 1. Please write your name clearly in the top right corner.
- 2. In a LARGE BLOCK letter, place the first letter of your last name at the top left.