

Using the PowerPoint / Internet: Try to think of and write down YOUR OWN examples for each of the concepts. Standard definitions will not be adequate, put in your own words as well to simplify. Use your mind!

THINKING

Solving Problems

Strategies

o Algorithms

o Heuristics

o Insight

Obstacles to Problem Solving

Confirmation Bias

Irrelevant Information

Fixation

o Functional fixedness

o Mental set

Making Decisions and Forming Judgments

Heuristics

o Representative heuristics

o Availability heuristics

Overconfidence

Intuition and problems with

Framing

Evolutionary Psychologists' thoughts on Problem-Solving/Decision-Making

Practicing with Heuristics

For each of the following write down what mental image or thought best represents that concept to you and has the features that you normally associate with it. For example...my mental image (prototype) of a bird is a robin (not a duck or penguin or ostrich). Then compare your list with a friend's, and then compare with someone you don't know.

Concept	Your best example (prototype)	Compare with friend's	Compare with someone you don't know
---------	-------------------------------	-----------------------	-------------------------------------

Active Sport

Spectator Sport

Junk Food

Female Music Star

Male Music Star

Horror Movie

Kids' Movie

Fast Car

Cheap Car

Clothing Store

How many prototypes match those of your friend _____? Of someone you don't know _____?

What does this tell you about prototypes?