

Exploration Systems

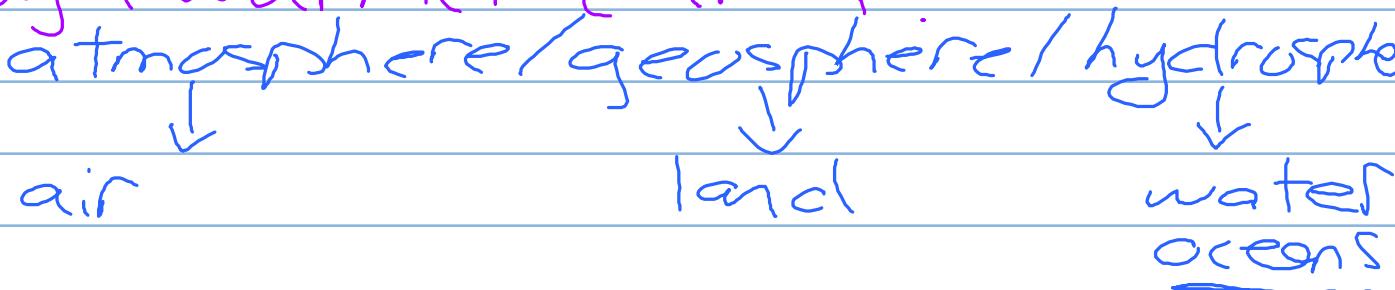
Jay Wortham
August 28

Phenomena: observable events
~~phenomena~~: observable event
of circumstances

What part of

What would be affected due
to earth warming?

- plants would dry Earth do you think it would get more or less affected by a warmer Earth?



I think that the _____ would be
affected most by a warmer earth
because...

... I think the Water would
be most effected by a warmer
Earth because fish would die
due to the change in the temp they
will have to re-adapt

Life in Earth System

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How similar are living and nonliving systems? Claim: Robot is perfect companion. Make a case to support or refute claim.

I think that the robot _____
the perfect companion because . . .

- They cannot replicate the same things that people do. It is the robot's job to help people.

System: a set of interacting

My components considered to be a distinct entity for the purpose of study or understanding.

Examples of systems:

- TV
- Ipad
- Alarm clock
- Digestive System
- Ecosystem

What is the boundary of the human body?

- the cells
- Skin

What is the boundary of a robot?

- metal

Compare the inputs and outputs of humans and robots?

- input → air/oxygen } Human
output → CO₂ (carbon dioxide)
- input → electricity } Robot
output → mechanical work }

Feedback:

What are some systems that biologists would want to model?

How would you model it?

- heart } animal models
- skeleton } weather models
- lungs } DNA/molecular
- atmospheric models

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What are the advantages
and disadvantages of viewing earth
as a collection of individual, isolated
systems?

Systems Approach

Highway System } Managing materials

Signs

Land use

Construct equip.

Weather System M0 } Weather equip.

Tornadoes

Earthquakes

Floods

How do nonliving systems affect your environment?

- Weather system
- Phones/Contact people → energy source
- Recycling

