WHAT IS LIFE?

Part 1: Overhead-projector observations

Observe the activities in the petri dish. Record what you see.

Answers will vary.	

Part 2: Sorting living/nonliving pictures

After you sort the picture cards, record the objects you put in each category.

Nonliving	Undecided
bicycle	bananas (seeds)
fire	eggs (fertile, yes;
icicles	infertile, no)
rain	tree (yes) and
robot	leaves (no)
teddy bear	spider (yes) and
rocking horse	web (no)
tornado	
sun	
	bicycle fire icicles rain robot teddy bear rocking horse tornado

Part 3: Characteristics of all organisms

List the characteristics shared by all organisms that the class agreed on.

Answers will vary.	

LIFE IN DIFFERENT ENVIRONMENTS

Liq	Liquid 1 Salt water			
	Material	Is it	alive?	Evidence of life
A	sand	yes	no	none
В	yeast	yes	no	none
C	poly crystal	yes	no	none
D	radish seed	yes	no	a little sprouting
E	shrimp eggs	yes	no	brine shrimp swimming

Liq	Liquid 2 Sugar water				
	Material		alive?	Evidence of life	
A	sand	yes	no	none	
В	yeast	yes	no	bubbles; cap popped off	
C	poly crystal	yes	no	none	
D	radish seed	yes	no	sprouting	
E	shrimp eggs	yes	no	none	

Liq	Liquid 3 plain water			
	Material Is it alive?		alive?	Evidence of life
A	sand	yes	no	none
В	yeast	yes	no	none
С	poly crystal	yes	no	none
D	radish seed	yes	no	sprouting
Е	shrimp eggs	yes	no	none

LIVING OR NONLIVING?

- 1. Copy in the spaces below your class list of characteristics that define life.
- 2. Use this definition to decide whether the objects below are living or nonliving.
- 3. *If it is living,* explain how you know.
- 4. *If it is nonliving*, explain why someone might think it is living.

Characteristics of life

1.	grows	5.	needs water
2.	reproduces	6.	exchanges gases
3.	needs food (energy)	7.	responds to the environment
4.	removes waste	8.	

Object	Living or nonliving?	Evidence or explanation
Mushroom	living	grows; has spores
Cheese	living	has bacteria living inside
Ear of corn	living	seeds
Rain	nonliving	
Sun	nonliving	
Eggs	living	if fertile and fresh
Waterfall	nonliving	
Fire	nonliving	
Robot	nonliving	