

2028

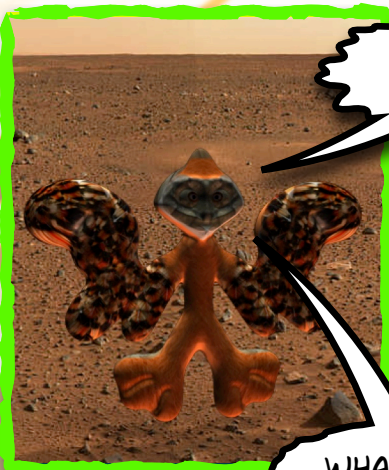
A DATE WITH DESTINY

WARSHALL'S MARS MISSION

BIG MARTIANS!

ARE THEY FRIENDLY?

THIS ASSIGNMENT IS ALL ABOUT USING RESEARCH TO HAVE SOME IMAGINATIVE FUN!
YOU ARE GOING TO CREATE THREE "MARTIAN" CREATURES!



DO I LIVE ON THE SURFACE?

WHAT DO I EAT?



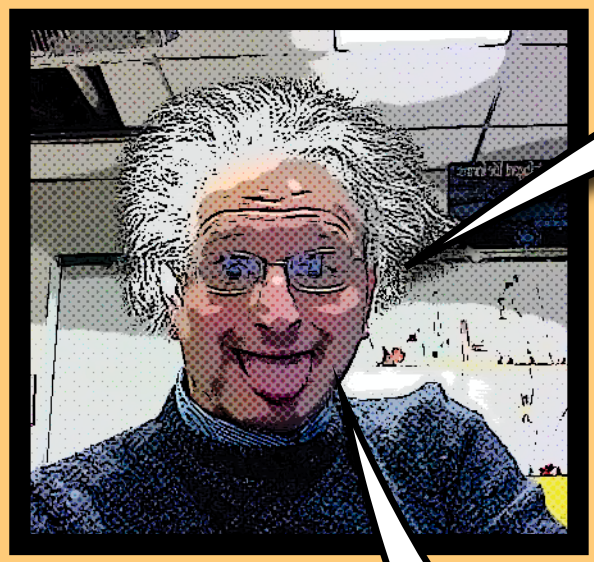
DO I HAVE A SKELETON?



DO I LIVE IN A LIQUID?
HOW DO I REPRODUCE?

DO I FLY THROUGH THE ATMOSPHERE?

THERE ARE SOME RULES TO FOLLOW AS YOU DESIGN YOUR LIFE FORMS. EACH OF THESE CHARACTERISTICS MUST BE SUPPORTED IN YOUR ORGANISM.



I'M FEELING EINSTEIN-ISH TODAY! A QUOTE FROM HIM I HAVE ALWAYS LIKED IS, "Imagination is more important than knowledge." NOW, LET'S GET THAT IMAGINATION WORKING!

THE SEVEN CHARACTERISTICS OF LIVING THINGS ARE:

- LIVING THINGS ARE MADE OF CELLS
- LIVING THINGS OBTAIN AND USE ENERGY
- LIVING THINGS GROW AND DEVELOP
- LIVING THINGS REPRODUCE
- LIVING THINGS RESPOND TO THEIR ENVIRONMENT
- LIVING THINGS ADAPT TO THEIR ENVIRONMENT

IN EACH OF YOUR LIVING ORGANISMS, YOU SHOULD TELL WHERE THEY LIVE ON MARS. EXPLAIN THEIR SOURCE OF ENERGY AND WHY THEY USE THIS SOURCE.

HOW DO THEY GROW AND DEVELOP? DO THEY GROW, OR METAMORPHOSE OR SOMETHING ELSE?

HOW DO THEY REPRODUCE? (MAKE SURE THEIR REPRODUCTIVE PROCESS MAKES SENSE FOR THEIR ENVIRONMENT.)

WHAT SENSES DO THEY USE TO RESPOND TO THEIR ENVIRONMENT? (HIDE FROM LIGHT, SEEK LIGHT, SLOW DOWN IN COLD, ETC.)

HOW DO THEY ADAPT TO THEIR ENVIRONMENT, OR HOW DID THEY EVOLVE TO USE THEIR ENVIRONMENT?

USE THE BLANK PAGES THAT FOLLOW TO TELL ABOUT YOUR ORGANISMS AND CREATE IMAGES OF THEM.

LIST AT LEAST FIVE POSSIBLE SOURCES OF ENERGY AVAILABLE ON MARS THAT COULD BE USED BY A LIVING ORGANISM AND HOW THE ORGANISM WOULD CONVERT THE MATERIAL INTO ENERGY.

1.

2.

3.

4.

5.

LIST AT LEAST 4 DIFFERENT ENVIRONMENTS ON MARS THAT COULD BE USED BY A LIVING ORGANISM AND HOW THE ORGANISM HAS ADAPTED TO THAT ENVIRONMENT.

1.

2.

3.

4.

5.

WHAT TYPE OF CELL (ANIMAL OR PLANT) MAKES YOUR LIVING ORGANISM? WHY?

IS IT SINGLE OR MULTI-CELLED? WHY?

DOES IT HAVE SPECIALLY ADAPTED ORGANS? WHAT ARE THEY AND HOW/WHY HAVE THEY ADAPTED?

WHAT IS THE REPRODUCTIVE CYCLE FOR YOUR LIVING ORGANISM? (MAKE SURE TO DISCUSS IF IT IS LIVE-BIRTH, OR EGGS, OR SOMETHING ELSE; GESTATION PERIOD; STAGES OF GROWTH OR METAMORPHOSIS IT EXPERIENCES AND IS IT GENDERED OR GENDERLESS.)

DOES YOUR LIVING ORGANISM HAVE MATING RITUALS?

HOW DO MALES AND FEMALES OF YOUR LIVING ORGANISM DIFFER? WHY DO THEY HAVE DIFFERENCES?

HOW DOES YOUR LIVING ORGANISM RESPOND TO CHANGES IN ITS ENVIRONMENT?

WHAT SENSES ARE USED BY YOUR LIVING ORGANISM? WHY DOES IT HAVE THESE SENSES?