

Name: _____

Grade: _____

Date: _____

Student Worksheet: Evidence of Evolution & Formation of Life on Earth

Engage: Discuss the questions below with a partner and write your answers:

? Look at the images of wings (bat, bird, insect). Do these wings have the same origin? Why or why not?

Explore: Observe the diagrams provided by your teacher and write 2-3 observations for each:

Diagram	Observations
Horse Evolution	
Homologous Forelimbs	
Embryo Comparison	

Explain: Use the teacher's explanation to complete the definitions of the different types of evolutionary evidence:

Paleontological Evidence	Biogeographical Evidence	Anatomical Homology	Developmental Homology	Molecular Homology

Elaborate: Examine the timeline of life on Earth (provided by your teacher). Complete the following:

1. List four major events in Earth's biological history:

2. Match the organisms shown to their correct time period on the timeline.

	Organisms
A	Eukaryotic organisms
B	Larger multicellular organisms
C	Multicellular algae
D	Fish
E	Cyanobacteria
F	Modern human
G	Reptiles
H	Prokaryotes
I	Mammals

	Time
1)	~3.5 billion years ago
2)	~2.7 billion years ago
3)	~1.8 billion years ago
4)	~1.2 billion years ago
5)	~600 million years ago
6)	~500 million years ago
7)	~420 million years ago
8)	~200 million years ago
9)	~300,000 years ago

3. How did each major stage help lead to the next? Write your explanation:

Evaluate: Reflect on what you learned by answering these questions:

1. Which type of evidence for evolution do you think is most convincing? Why?

2. What stage in Earth's history do you think was most important for life today? Explain.
