Abiogenesis Hypotheses

First Cells: oldest fossil prokaryotes are about \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ years old

Organic compounds are relatively \_\_\_\_\_\_\_\_\_\_\_\_ in the Universe

Microspheres and coacervates: what are they? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Ribozyme: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What cells alive today are most similar to the earliest common ancestors of all life on Earth? \_\_\_\_\_\_\_\_\_

Evolution in the lab: What molecules have been designed to self-replicate? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Early cells that can’t control their replication or other functions well are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

TWO VIDEOS & NOTES (use back)

Abiogenesis Hypotheses

First Cells: oldest fossil prokaryotes are about \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ years old

Organic compounds are relatively \_\_\_\_\_\_\_\_\_\_\_\_ in the Universe

Microspheres and coacervates: what are they? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Ribozyme: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What cells alive today are most similar to the earliest common ancestors of all life on Earth? \_\_\_\_\_\_\_\_\_

Evolution in the lab: What molecules have been designed to self-replicate? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Early cells that can’t control their replication or other functions well are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

TWO VIDEOS & NOTES (use back)