

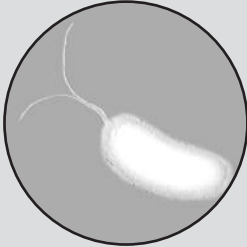
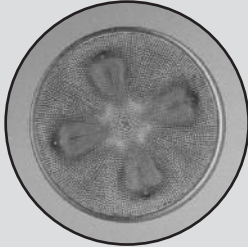

## THE HISTORY OF LIFE ON EARTH (ST)

Complete this concept review handout and keep it as a record of what you have learned.

### DEFINITIONS

- Evolution is \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- Natural selection is \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- The geological time scale \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- The extinction of a species is \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### MAIN GROUPS OF LIVING ORGANISMS

Bacteria	  
_____	
_____	
_____	<ul style="list-style-type: none"> <li>• Algae</li> <li>• _____</li> <li>• _____</li> <li>• _____</li> </ul>
_____	<p>Invertebrates (soft bodies, hard shells, insects)</p> <p>Vertebrates</p> <ul style="list-style-type: none"> <li>• _____</li> <li>• _____</li> <li>• _____ (includes dinosaurs)</li> <li>• _____ (includes primates)</li> </ul>

**A GEOLOGICAL TIME SCALE**

<b>Era</b>	<b>Period</b>	<b>Start of the period (in millions of years before present time)</b>	<b>Groups of living organisms that appeared in this period</b>
_____  (length: _____ millions of years)	_____	1.8	Humans
	_____	65	_____
_____  (length: _____ millions of years)	_____	144	_____
	_____	206	_____
	_____	245	_____ _____ _____
_____  (length: _____ millions of years)	_____	290	
	_____	363	_____ _____
	_____	409	_____ _____ _____
	_____	439	
	_____	510	Terrestrial plants and land animals _____
	_____	543	_____
_____  (length: _____ millions of years)		4 600	_____ _____ _____

**GEOLOGICAL PERIODS THAT ENDED  
WITH MASS EXTINCTIONS OF SPECIES**

_____	_____	_____
_____	_____	_____