Name:	Class:		Date:	
HW 1.1 The Study of Life Reinforcement				
KEY CONCEPT Biologists stud	dy life in all its f	orms.		
<b>Biology</b> is the scient everywhere on Earth, from very deserts to the ocean floor. The transcrive there. Those living and shape.	y hot environmer types of living th	nts to very c nings found	cold environments in a particular reg	s and from the dry gion depend on which
All of the living thin biosphere. The variety of living biodiversity. Biodiversity can be the biosphere. Although there as as a certain type of living things	g things in a cert be measured in to re several defini	tain area, or erms of the tions of the	across the entire number of specie term <i>species</i> , you	es in an area or across
At least two million species, is an <b>organism</b> . Every	_			ng thing, no matter the haracteristics of life.
• All organisms are made of one	e or more cells.	A cell is the	basic unit of life	on Earth.
• All organisms need chemical metabolism, which is all of the				
• All organisms respond to physical	sical factors, or	stimuli, in tl	heir environment.	
<ul> <li>Members of a species must be reproduce they pass on their g</li> </ul>				
1. Where do all living things of	n Earth exist?			
2. What is one way in which by	iodiversity can b	oe measured	<u> </u>  ?	

4. What is metabolism?

3. List the four characteristics of living things.

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## Section Quiz 1.1: The Study of Life

Circle t	he letter	of the	best a	answer.
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- 1. The term *biosphere* refers to the parts of Earth that contain
  - a. freshwater environments.
  - b. living things.
  - c. land masses.
  - d. greater biodiversity.
- 2. Which phrase best describes Earth's biodiversity?
  - a. greater in consistently warm areas
  - b. greater toward Earth's poles
  - c. greater according to energy needs
  - d. greater where temperatures are most variable
- \_\_\_\_ 3. An individual living thing is called a(n)
  - a. species.
  - b. cell.
  - c. atom.
  - d. organism.
  - 4. Which of these characteristics is shared by all living things?
    - a. They are made up of one or more cells.
    - b. They make their own chemical energy.
    - c. They have similar responses to light.
    - d. They reproduce when one cell divides into two.
  - 5. The basic unit of life is
    - a. the cell.
    - b. an atom.
    - c. DNA.
    - d. a species