

Part A – Extent, Distribution, and Area of the Oceans

Activity 1: Geography of the world oceans

For this activity, study the available resources, including maps and globes around the lab room, and maps in your textbook, to become familiar with the oceans and major water bodies of Earth. **Locate and label each** of the following oceans and major water bodies **with the name** on the world map provided on the next page.

Oceans:	Major Water Bodies:		
Pacific	Arabian Sea	Caribbean Sea	North Sea
Atlantic	Baltic Sea	Caspian Sea	Persian Gulf
Indian	Bay of Bengal	Coral Sea	Red Sea
Arctic	Bering Sea	Gulf of Mexico	Sea of Japan
	Black Sea	Mediterranean Sea	Sea of Okhotsk
			Weddell Sea

Activity 2: Area of the Oceans and Distribution of Land and Water

The surface area of Earth is about 510 million square kilometers (197 million square miles). Of this, oceans and seas cover approximately 360 million square kilometers (140 million square miles). Use this information to answer the following questions. (Show calculations with units.)

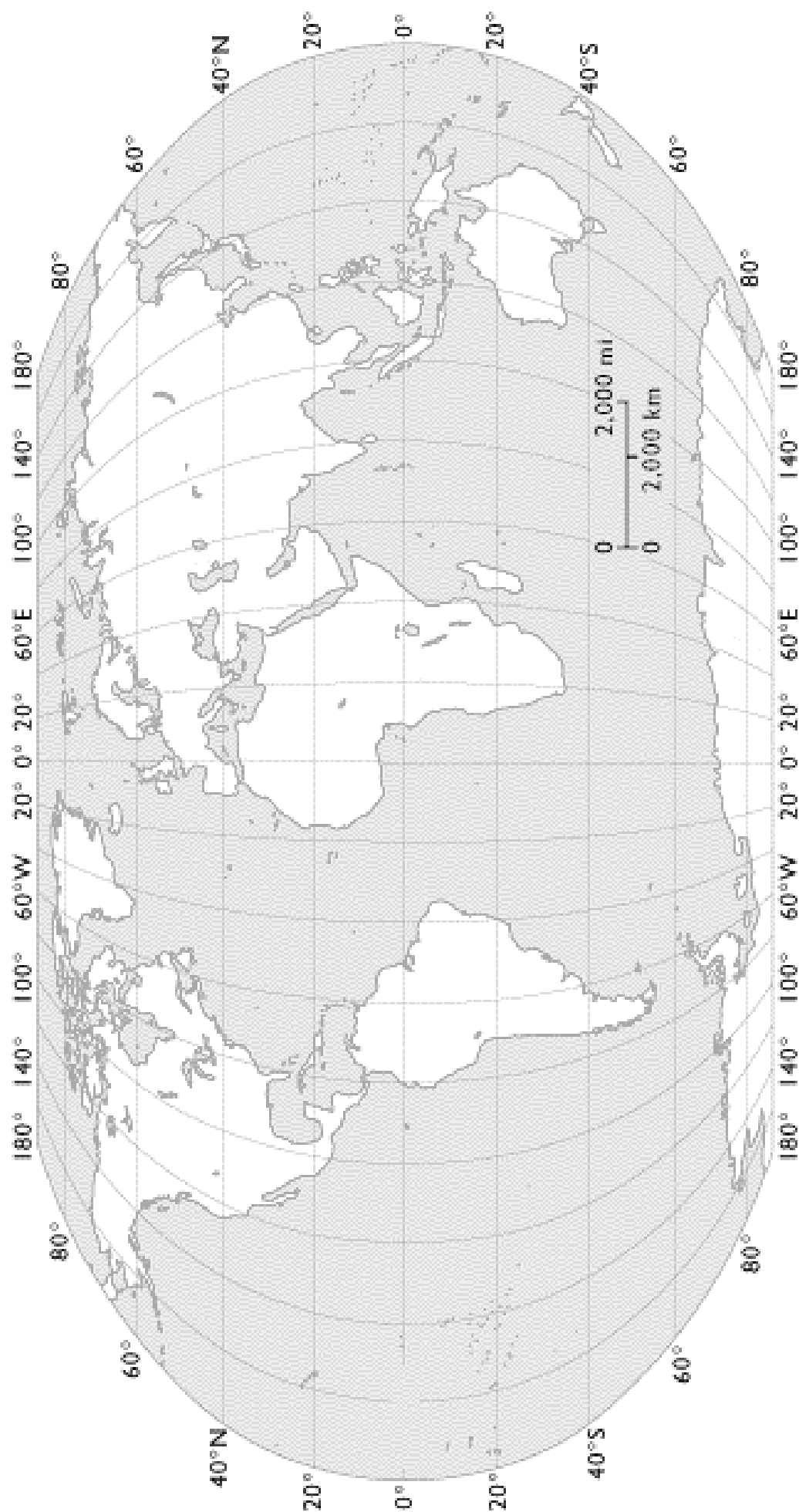
1. What percentage of Earth's surface do oceans and seas cover? _____%
2. What percentage of Earth's surface is land? _____%

Study the world ocean maps provided and Figure 1 to answer the following questions (refer to Figures 13.1 and 13.2, p. 410-411, in *Earth Science 14th ed. textbook by Tarbuck, et al.*).

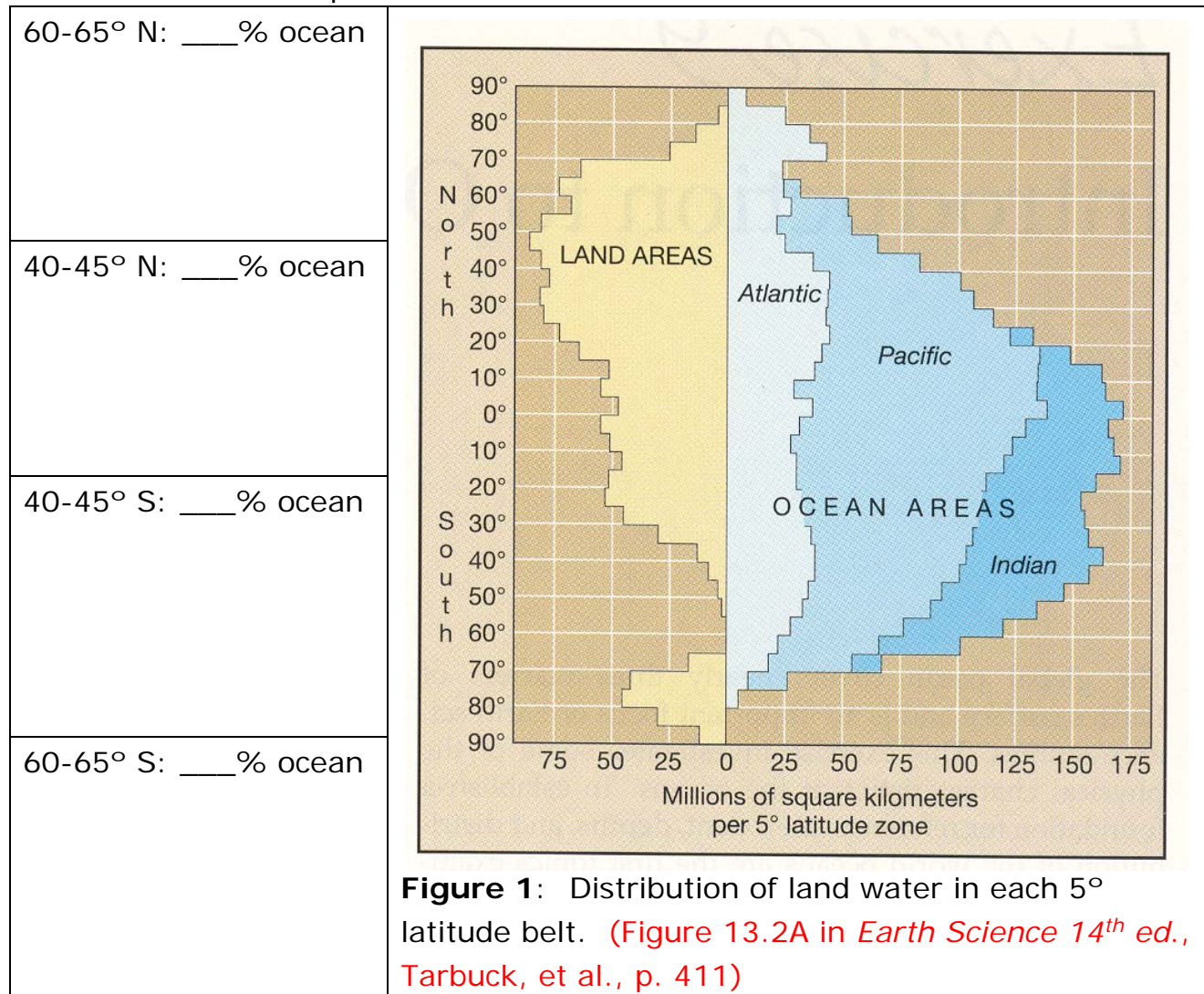
3. Which hemisphere, Northern or Southern, could be called the "water" hemisphere and which the "land" hemisphere?

Water hemisphere _____

Land hemisphere _____



Using Figure 1, determine the percentage of Earth's surface that is ocean at the latitudes listed below. (Show calculations in box.) % is part/whole. The whole refers to the total amount of Earth at THAT latitude. It changes with distance from the equator.



- In the Northern Hemisphere, how does the width of the oceans change as you go from the equator to the pole?
- In the Southern Hemisphere, how does the width of the oceans change from the equator to the pole?
- Which ocean covers the greatest area?