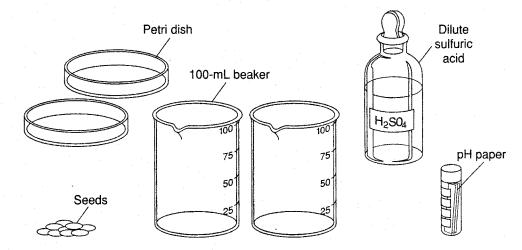
Name		Class	Date
Chapter 6 Humar	s in the Biosp	here	Design an Experin
Observing the Eff	fects of Acid	Rain	
containing nitrogen a damage crops, forests	nd sulfur comp s, soil, and build an experiment to	stion of fossil fuels relea ounds into the atmosph lings. In this investigation o simulate and test the e	ere. It can on, you will
Problem			
How does acid rain a	ffect the germin	ation of seeds?	
Materials			
<ul> <li>diluted sulfuric a</li> <li>filter paper</li> <li>glass-marking pe</li> <li>2 petri dishes</li> <li>100-mL graduate</li> </ul>	ncil	<ul><li>100 seeds (m</li><li>pH papers</li><li>2 100-mL bea</li><li>hand lens</li></ul>	ustard or radish) kers
Skills Designing Expe			
1. Formulating Hypothesis development. Recommendation	potheses Use your about its effective cord your hypo	our knowledge of acid r fect on plant growth an thesis on the lines belov	d v.

Prediction: \_\_

3. On the lines below, design and record an experiment to test your prediction. It is not practical in the classroom to expose some plants to acid rain and others to rain without acid. You will need to choose a way to simulate acid rain.



Experin	nental Plan:		
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4. As you plan your investigative procedures, refer to the Lab Tips box on page 55 of your textbook for information on demonstrating safe practices, making wise choices in the use of materials, and selecting equipment and technology. With your teacher's guidance, select the equipment and technology to use to measure pH: either pH paper or a pH probe. If using a pH probe, see your teacher for instructions.

	TO 4 TO 1.1	
	Data Table Observation	
Date	Control Seeds	Acid-Treated Seed
	<b>Data</b> What percentage of your control entage of your acid-treated seeds germinated	G