1	"Does installing sulfur scrubbers on coal-fired power plants in Ohio reduce the amount of acid rain in the Adirondack Mountains?" is an example of the step in the scientific process.
	O a. perform an experiment
	O b. scientific theory
	○ c. ask a question
	O d. collect data
	O e. accept or reject the hypothesis
correct: <i>c</i>	
2	A scientific theory such as the Theory of Evolution has been well-tested and is widely accepted.
C	orrect: <i>true</i>



3 A scientific _____ cannot be disproved using accurate data.

🔘 a. hypothesis, theory or law

O b. hypothesis

🔘 c. law

O d. theory

O e. theory or law

correct: c

4 The conclusion by the Intergovernmental Panel on Climate Change that burning of fossil fuels by humans has resulted in atmospheric warming between 1957 and 2007 is an example of:

O a. unreliable science.

O b. frontier science.

🔘 c. None of these choices.

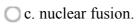
Od. reliable science.

O e. tentative science.

correct: d



5	Two atoms with the same atomic number but different mass numbers are an example of different:
	◯a. pHs.
	O b. compounds.
	◯ c. ions.
	O d. molecules.
	O e. isotopes.
correct: e	
6	The burning of gasoline in an automobile engine is an example of:
	◯ a. a chemical change.
	Ob. radioactive decay.



Od. a physical change.

O e. nuclear fission.

correct: a



7 The fact that trash can never really be thrown away is an example of:

O a. nuclear changes such as radioactive decay.

O b. the atomic theory of chemistry.

◯ c. the law of conservation of matter.

O d. the cell theory of biology.

O e. high-quality vs. low-quality matter.

correct: c

8 Which of the following is an example of kinetic energy?

🔘 a. wind

O b. flowing water

🔘 c. ultraviolet radiation

O d. all of these choices

O e. electricity

correct: d

9 There is more high-quality energy stored in the water of the Pacific Ocean than in the petroleum deposits of Saudi Arabia.

OTrue OFalse correct: *false*

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10 Judge the following sentence according to the criteria given below: There is no such thing as an energy shortage BECAUSE the first law of thermodynamics states that energy cannot be created or destroyed.

O a. The assertion and the reason are both correct, and the reason is valid.

O b. The assertion and the reason are both correct, but the reason is invalid.

O c. The assertion is correct but the reason is incorrect.

O d. The assertion is incorrect but the reason is correct.

O e. Both the assertion and the reason are incorrect.

correct: d

