

**TABLE 1****Population and sample information.**

<b>Course</b>	<b>Enrollment (#)</b>	<b>Survey respondents (#)</b>	<b>Initial quiz attempts (#)</b>	<b>Second quiz attempts (#)</b>
General Chemistry I	151	33	1,289	528
Introduction to Environmental Science	141	46	1,150	520
Science of Flight	119	31	1,072	569

**TABLE 2****Example of feedback.**

<b>Topic</b>	<b>Question</b>	<b>Feedback</b>
<b>Significant figures</b>	Which number below contains three significant figures?	You correctly identified that the zeroes to the left of the nonzero digits are never significant. You also recognized that zeroes in between nonzero numbers are always significant. Keep in mind that zeroes to the right of nonzero numbers are significant if there is a decimal present.
<b>Subatomic particles and atomic models</b>	How should this diagram be changed to properly represent the lithium-8 isotope? [diagram not pictured]	You recognized that electrons are outside of the nucleus and are not changed between various isotopes of an element.  Elements are arranged within the periodic table by increasing atomic number. Because atomic number defines an element, isotopes of an element have the same atomic number (which represents the number of protons). However, isotopes of an element have different atomic masses (which represents the number of protons and neutrons). Which of these two subatomic particle varies in isotopes?
<b>Rock cycle</b>	A geologist discovers an intrusion of igneous rock that cuts through four layers of sedimentary rock. What layer of rock is the oldest?	Sedimentary rock forms from settling and compaction. Would older sediments appear near the top or bottom of the rock layer?