

## **Illinois Science Assessment**

**Practice Item Answer Key** 

Grade 5

The following pages include the answer key for all machine-scored items, followed by a sample response for the hand-scored item.

- The rubrics show sample student responses. Student responses other than that shown in the rubric may earn full or partial credit.
- Which responses to hand-scored items receive full or partial credit will be confirmed during range-finding (reviewing sets of real student work)
- If students make a computation error, they can still earn points for reasoning or modeling.

Item Number	Answer Key
1.	Α
2.	Needed for Plant Growth = <u>Water, Air</u> : Not Needed for Plant Growth - <u>Soil</u>
3.	Supports Student Claim <u>= Animals that blend in can better sneak up on prey and Animals</u> that blend in can better hide from predators.
4.	Part A: <u>The values of the editable bars going from left to right should be 1, 2, 2, 18</u> Part B: <u>B</u> Part C: <u>black-winged, less polluted, white-winged</u>
5.	Box near rain = <u>Hydrosphere</u> Box underneath white cloud = <u>Atmosphere</u> Box in flooded water = <u>Hydrosphere</u> Box on beach= <u>Geosphere</u> Box on beach= <u>Geosphere</u>
6.	Fresh water = 3% Salt water = 97%
7.	The location in the Tropical climate zone (Southeast Asia)
8.	Part A: <u>Argentina — 9°C, Germany — 19°C, New Zealand — 7°C, Sudan — 32°C</u> Part B: <u>Argentina and New Zealand</u> Part C: <u>Both countries have warmer temperatures in January than in July,</u> The countries are in the same hemisphere <u>.</u>
9.	Largest Amplitude — <u>dragger in top right corner</u>

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	Shortest Wavelength — <u>dragger in bottom right corner</u>
	Move the least — <u>dragger in bottom left corner</u>
10.	Small up and down arrows when the waves are small.
	Large up and down arrows when the waves are large.
11	Motion energy is converted into electrical energy.
	Electrical energy is converted into light energy.
12.	Open-Ended

## #12 Open Ended

Example Student Response:

Student A's claim is supported by Figure 1 because the balloon is sealed onto the bottle and nothing is added or taken out. Table 1 supports the claim because if nothing is added or taken out, the final mass will be the same as the initial total mass of the items. Table 1 shows this initial mass as 43 grams.

1 point: Student identifies that student A's claim is best supported by the information in Figure 1 and Table 1.

1 point: Student describes that the setup in Figure 1 is sealed (a closed system) so all the matter that is present before mixing is still present after mixing.

1 point: Student describes the total mass of the substances as 43 grams and this should be the same after mixing since no matter was added or removed.