Grade 5 – Science Answer Key

Item Number	Item Type	TEKS	Maximum Number of Points	Correct Answer(s)	Reporting Category	Readiness and Supporting
1	Multiple Select	1.5.5.C	2	A, C See Appendix 1.1	1	Supporting
2	Multiple Select	4.5.10.B	2	B, D See Appendix 1.2	4	Readiness
3	Multiple Choice	1.5.5.A	1	C	1	Readiness
4	Multiple Choice	4.5.9.C	1	B	4	Supporting
5	Multiple Choice	2.5.6.B	1	B	2	Readiness
6	Multiple Choice	1.3.5.C	1	B	1	Supporting
7	Multiple Choice	2.5.6.C	1	A	2	Readiness
8	Drag and Drop	4.5.9.B	2	Consumer, Decomposer, Consumer, Producer See Appendix 1.3	4	Readiness
9	Multiple Choice	3.4.8.B	1	A	3	Supporting
10	Multiple Choice	4.5.9.A	1	D	4	Readiness
11	Multiple Choice	3.4.7.C	1	B	3	Supporting
12	Multiple Choice	4.5.10.A	1	B	4	Readiness

13	Multipart	3.4.8.A	2	D, A	3	Supporting
14	Multiple Choice	2.3.6.B	1	B	2	Supporting
15	Short Constructed Response	2.5.6.D	2	See Appendix 1.4	2	Supporting
16	Multiple Choice	4.3.10.B	1	A	4	Supporting
17	Multiple Choice	3.5.7.B	1	B	3	Readiness
18	Multiple Choice	3.5.7.A	1	A	3	Readiness
19	Multiple Choice	4.5.10.A	1	D	4	Readiness
20	Multiple Choice	1.5.5.B	1	B	1	Supporting
21	Multiple Choice	3.4.8.C	1	C	3	Supporting
22	Multiple Choice	4.5.9.D	1	A	4	Supporting
23	Multiple Choice	3.5.8.C	1	D	3	Readiness
24	Multiple Choice	1.5.5.A	1	A	1	Readiness
25	Multiple Choice	4.3.9.A	1	C	4	Supporting
26	Drag and Drop	3.4.7.A	2	Clay, Loam, Silt, Sand, Gravel See Appendix 1.5	3	Supporting

27	Multiple Choice	4.5.9.B	1	D	4	Readiness
28	Multipart	2.5.6.A	2	A, B	2	Readiness
29	Multiple Choice	2.5.6.B	1	C	2	Readiness
30	Multiple Choice	3.5.7.A	1	B	3	Readiness
31	Multiple Choice	2.5.6.C	1	D	2	Readiness
32	Multiple Choice	4.5.9.A	1	C	4	Readiness

Grade 5 – Science

Appendix

1.1

A student heats 250 milliliters of water in a cup to approximately 50 °C and adds 6 grams of salt. The mixture of salt and water is then stirred for 15 seconds.

Which results will the student **MOST LIKELY** observe after the mixture has been stirred for 15 seconds?

Select **TWO** correct answers.

- [x] The salt will dissolve.
- [ ] The salt will sink to the bottom of the cup.
- [x] The water will remain clear.
- [ ] The salt will float on the water.
- [ ] The water will change from clear to opaque white.

1.2

A student makes a list to describe a friend. Which of the listed characteristics is a learned behavior?

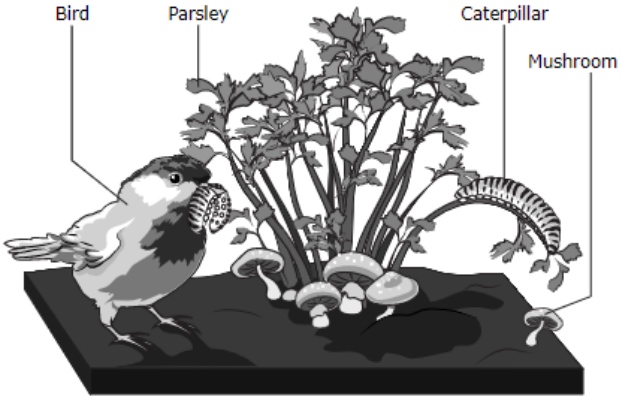
Select **TWO** correct answers.

- [ ] Brown eyes
- [x] Draws well
- [ ] Has freckles
- [x] Reads daily
- [ ] Blonde hair

1.3

Students create a drawing of organisms in a garden. In their drawing, a bird eats a caterpillar. Another caterpillar is eating the leaves on a parsley plant. Mushrooms grow in the shadow of the parsley.

Garden Food Web



Complete the table to show the role each organism has in the food web, based on the students' drawing.

Move the correct answer to each box. Each answer may be used more than once.

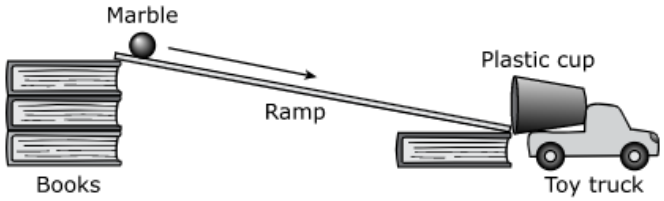
Producer Consumer Decomposer

Organism	Role in the Food Web
Bird	Consumer
Mushroom	Decomposer
Caterpillar	Consumer
Parsley	Producer

1.4

A class is using the setup shown to test this hypothesis.

The shorter the stack of books becomes, the shorter the distance the toy truck will roll.



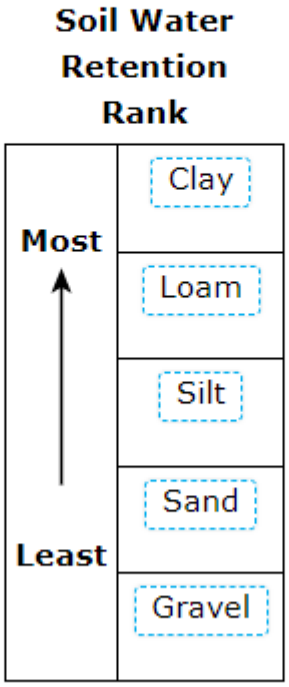
What is **ONE** more piece of equipment needed to test the hypothesis **AND** how can the hypothesis be tested?

Look at the diagram carefully. Then enter your answer and explanation in the box provided.

The student needs to identify at least one more piece of equipment such as a ruler, measuring tape, or meter stick AND include at least one idea for how the hypothesis can be tested: varying the size of the book stack, measuring distance traveled, repeated trials.

1.5

Rank the different soil types based on their ability to retain water.

Move the correct answer to each box.

Gravel Sand Silt Clay Loam