Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Science Textbook Scavenger Hunt

You’re on a mission! Find the missing pieces to solve the science mystery! Make sure you read the directions below carefully in order to find the clue.

1. What is the title of the textbook? \_\_ \_\_ \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

8 1

1. What is the copyright year of your book? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. How many content reviewers looked at this textbook? \_\_\_\_\_\_\_\_\_\_\_
3. How many content reviewers are from Georgia? \_\_\_\_\_\_\_\_\_\_\_\_
4. What page numbers can you find the “Contents”? page \_\_ - \_\_ \_\_

2

1. What is the name of Unit 1 in the book? Do you already know some information about this topic? If so, what? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. How many units are listed in the book? \_\_\_\_\_\_\_\_
2. What is the ‘Big Idea’ for Unit 1? \_\_ \_\_ \_\_ solar system is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

15

1. What are the vocabulary terms for Lesson 1 Unit 1? (Hint: there are 12) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What is a supernova? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ its outer \_\_ \_\_ \_\_ \_\_ \_\_ \_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4

1. How are distances in the universe measured? \_\_ \_\_ \_\_ \_\_ \_\_ -- \_\_ \_\_ \_\_ \_\_ \_\_

20 11 3

1. How far away is the center of the Milky Way Galaxy from Earth? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Find page 20. What is it on it? What is it used for? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What are the 7 vocabulary terms for Lesson 2 in Unit 1? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ spectrum

7 12

1. On page 25, write down what you think “red shift” is based on the “Active Reading” section in your book. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. On page 27, match the words with the pictures to what you think each is:
   1. \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ cluster

10

* 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  3. \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_

13

1. How many years did George Gamow live? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. On page 35, what does the diagram show? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Farther \_\_ \_\_ \_\_ \_\_ \_\_ as the universe \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

16

1. What is the essential question for Lesson 3 of Unit 2? \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_?

9 5

1. What page can you find the section “People in Science”? (Hint: J. Marshall Sheperd) \_\_\_\_\_\_\_\_\_
2. Look at page 470, what is it about? Can you do this at home? \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ the Life

19

Cycles of Aluminum and Glass. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What pages does the glossary start on? What is a glossary? \_\_ \_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

18

1. What page does the index start on? What is an index? \_\_ \_\_ \_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

17

1. Do you think you’ll like this textbook this year? Why or why not? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Secret Message:

Now, order the letters from 1-19 in order below. Make sure you don’t skip a letter!

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_ \_\_ \_\_ \_\_ k\_\_ \_\_ \_\_ \_\_ \_\_ \_\_ B \_\_ \_\_ \_\_ \_\_ \_\_ \_\_

1 2 3 4 5 7 8 9 10 11 13 15 16 17 18 19 20

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Science Textbook Scavenger Hunt

You’re on a mission! Find the missing pieces to solve the science mystery! Make sure you read the directions below carefully in order to find the clue.

1. What is the title of the textbook? HMH Georgia Science
2. What is the copyright year of your book? 2019
3. How many content reviewers looked at this textbook? 26
4. How many content reviewers are from Georgia? 4
5. What page numbers can you find the “Contents”? page v-ix
6. What is the name of Unit 1 in the book? Do you already know some information about this topic? If so, what? The Universe and our Solar System. Answers will vary
7. How many units are listed in the book? 7
8. What is the ‘Big Idea’ for Unit 1? Our solar system is just one of many billions of solar systems in the universe
9. What are the vocabulary terms for Lesson 1 Unit 1? (Hint: there are 12) Universe, solar system, planet, star, parallax, nuclear fusion, galaxy, nebula, light-year, heliocentric, geocentric, supernova
10. What is a supernova? A gigantic explosion in which a high-mass star throws its outer layers into space
11. How are distances in the universe measured? Light-years
12. How far away is the center of the Milky Way Galaxy from Earth? 25,000 light-years
13. Find page 20. What is it on it? What is it used for? Graph paper, it is used for “my notes”
14. What are the 7 vocabulary terms for Lesson 2 in Unit 1? Universe, redshift, big bang theory, cosmic microwave background, wavelength, electromagnetic spectrum, spectrum
15. On page 25, write down what you think “red shift” is based on the “Active Reading” section in your book. Answers will vary
16. On page 27, match the words with the pictures to what you think each is:
    1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ galaxy cluster
    2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ solar system
    3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ galaxy
    4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ star cluster
17. How many years did George Gamow live? 64
18. On page 35, what does the diagram show? How galaxies move farther apart as the universe expands
19. What is the essential question for Lesson 3 of Unit 2? What causes Tides?
20. What page can you find the section “People in Science”? (Hint: J. Marshall Sheperd) p. 338
21. Look at page 470, what is it about? Can you do this at home? Analyzing the Life Cycles of Aluminum and Glass. Yes, there is a chart to organize your thoughts
22. What pages does the glossary start on? What is a glossary? R3, a list of words and their definitions
23. What page does the index start on? What is an index? R14, locations of key words throughout the book
24. Do you think you’ll like this textbook this year? Why or why not? Answers will vary

Secret Message: Science is like Magic but Real