



Dear Homeschool Friend,

Thank you for purchasing BookShark's *Health & Human Anatomy Instructor's Guide*.

There was an error in the printing process, and Week 12 of your Instructor's Guide is incomplete. Please find the corrected pages enclosed. Simply swap out Week 12 in the Guide and replace them with these pages.

If you have any questions, please feel free to contact us at 303-797-2954 from 9am-4pm MST Monday through Thursday, and 9am-1pm MST on Fridays. You can also email us at main@bookshark.com.

Sincerely,

The BookShark Team



HBKU Curriculum Update (2021)




Health and Human Anatomy

Week 12 Schedule

Date:	Day 1	Day 2	Day 3	Day 4	Day 5
Understanding Your Brain	pp. 12–13	pp. 14–15	pp. 16–17	pp. 18–19	
Activity Sheet Questions	#1–4	#5–8	#9–10	#11–13	
Optional: Do Together				Going Bananas	
Other Notes					

©2021 by BookShark, LLC. All rights reserved. Do not copy without written permission from BookShark, LLC

 Special Note to Mom or Dad



Notes

Week 12

Day 1

Understanding Your Brain | pp. 12–13

Activity Sheet Questions | #1–4

Day 2

Understanding Your Brain | pp. 14–15

Activity Sheet Questions | #5–8

Day 3

Understanding Your Brain | pp. 16–17

Activity Sheet Questions | #9–10

Day 4

Understanding Your Brain | pp. 18–19

Activity Sheet Questions | #11–13

Optional: Do Together | Going Bananas

Looking forward to your students' reading assignment in *Food and Nutrition for Every Kid* later this week, start an experiment today that will culminate later in the week. Get two unripe bananas from the grocery store (the greener the better!). Put one inside of a brown paper lunch bag. Close the bag and sit it on the counter. Leave the other banana out in the open next to the banana in the bag.


Today, record the color of the bananas. If you want, feel free to take a photograph of the bananas side-by-side. Do the same thing each of the next several days. Don't forget to put the one banana back in the bag after you record its color.

Your students will notice that one of the bananas ripens much faster than the other. Which one? Why? They will, of course, learn the answer later in the week when they read *Food and Nutrition for Every Kid*. ■

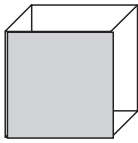
©2021 by BookShark, LLC. All rights reserved. Do not copy without written permission from BookShark, LLC

Week 12 Activity Sheets

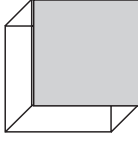
Understanding Your Brain



- Why can we see things in three dimensions? (p. 12) (because we have two eyes, and each of them gives us a slightly different view of an object, which gives the object depth, and the brain analyzes and interprets what it sees into 3-D)
- Look at the picture of the street scene in your book. Describe which key element your brain uses to know that each of the below statements is true and why. We have completed the first one for you. (p. 12)
 - There is the outside corner of a building in the bottom, left hand corner of the picture.
Arrows: Our brains interpret arrow-shaped lines as inside or outside corners.
 - The blue car is closer than the red car. (Size: Our brains interpret two objects that are similar but are differently sized as different distances apart. Since the blue car is bigger, it is closer.)
 - There are two rows of trees, one tree in front of the other, lining both sides of the street. (Overlapping; if one object partially blocks another, you see the overlapping object as closer.)
 - The street stretches away from us into the distance. (Lines: Our brains understand that parallel lines seem to get closer together as they get further away)
- Shade the two cubes below according to the directions given. (p. 13)



Shade the part that is the front panel when the cube appears to pop out from the page to the left.



Shade the part that is the front panel when the cube appears to pop out from the page to the right.

 - Do we notice our blind spot very often? **Yes** **No**

Why or why not? (because we only notice it if an image falls on the exact spot in our eye where the optic nerve leaves the eye; most of the time, our brain just fills the gap)

Health and Human Anatomy | Week 12 | Student Activity Sheets **47**

©2021 by BookShark, LLC. All rights reserved. Do not copy without written permission from BookShark, LLC

This page intentionally left blank.

Week 12 Activity Sheets

Understanding Your Brain

1. Why can we see things in three dimensions? (p. 12) _____



2. Look at the picture of the street scene in your book. Describe which key element your brain uses to know that each of the below statements is true and why. We have completed the first one for you. (p. 12)

a. There is the outside corner of a building in the bottom, left hand corner of the picture.

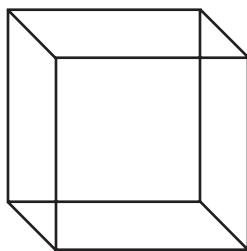
Arrows: Our brains interpret arrow-shaped lines as inside or outside corners.

b. The blue car is closer than the red car. _____

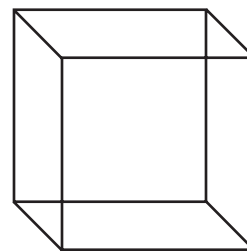
c. There are two rows of trees, one tree in front of the other, lining both sides of the street. _____

d. The street stretches away from us into the distance. _____

3. Shade the two cubes below according to the directions given. (p. 13)



Shade the part that is the front panel when the cube appears to pop out from the page to the left.



Shade the part that is the front panel when the cube appears to pop out from the page to the right.

4. Do we notice our blind spot very often?

Yes

No

Why or why not? _____

Week 12 Activity Sheets

5. Name three types of tasks that use our memory. (One of your answers should begin with "how to...!") (p. 14)

1) _____

2) _____

3) _____

6. Which type of memory *can* fill up? (p. 15)

short-term memory

long-term memory

How much information can it hold? _____

7. What happens to information in your short-term memory? (p. 15) _____

8. **Who's Missing?** How sharp is your short-term memory? Gather a collection of favorite toys—dolls, stuffed animals, or cars and trucks. Leave the room and ask Mom or Dad hide one of the toys. Can you figure out which one is missing when you come back into the room? (p. 15)



9. Can you remember the names of all of the kids in your scout group or on your sports team? Stop and think about being at a meeting or practice. Now see how many names you can remember, and write them here. (p. 16)

10. Why does it take us a minute to remember things or people sometimes? (p. 16) _____

11. What does shivering on a cold day have to do with homeostasis? (p. 18) _____



Week 12 Activity Sheets

12. Which part of your brain controls homeostasis? (p. 18)

13. Other than temperature, choose one of the body functions your hypothalamus controls, and explain how the hypothalamus is involved in that function's processes in order to keep your body running smoothly. (p. 19)

oxygen levels

hunger

water levels
