

Part 1

Vocabulary

Circle the best answer to complete each sentence.

1. Most people think ___ is bad, but when properly managed it can have positive effects on the body and mind.
A) perception
B) stress
C) visualization
D) involvement
2. Professor Flynn's ___ of expertise is the neuroscience involved with creativity.
A) major
B) comprise
C) stress
D) area
3. The designer's hard work and dedication played a ___ role in the product's success.
A) major
B) somewhat
C) creative
D) visual
4. The study was ___ of 85 individuals who had regularly suffered from headaches.
A) created
B) involved
C) dominated
D) comprised
5. Early intervention is ___ for people with a traumatic brain injury.
A) major
B) crucial
C) intense
D) stressful

6. The gene for brown eyes is ____ over the gene for blue eyes.
- A) dominant
 - B) major
 - C) stressed
 - D) visual

Circle the correct word form to complete each sentence.

7. Success in a new country is often dependent on a person's ability to ____ to changing circumstances.
- A) adapt
 - B) adaptive
 - C) adaptability
 - D) adaptation
8. Neuroscientists used to believe that the left side of the brain was responsible for logic and language and the right side for ____ and intuition.
- A) create
 - B) creative
 - C) creativity
 - D) creation
9. The pain in Edward's shoulder ____ whenever he tried to lift his arm.
- A) intense
 - B) intensify
 - C) intensely
 - D) intensified
10. He described what happened so clearly that it was easy to ____ the event.
- A) visual
 - B) visualize
 - C) visually
 - D) visualization

Use five of the words in the box to complete the sentences.

adapts	clarified	comprises	creates
crucial	dominated	intense	involved
perceived	somewhat	stressed	visualize

11. The doctor _____ the meaning of *hypotension* as the medical term for low blood pressure.
12. The two-week course is _____ less comprehensive than the four-week course, but it is informative nevertheless.
13. Although the brain _____ only 2.5 percent of the body's weight, it uses about 20 percent of the body's energy.
14. Last year, Harry was _____ in a major car accident and spent six weeks in the hospital.
15. Harvard University is _____ to be the best medical school in the United States.

Part 2

Listening

Listen to the discussion. Circle the best answer to complete each sentence.

16. The topic of the lecture was ____.
A) the three brain networks
B) creativity and the brain
C) the left brain/right brain theory
D) "ah-ha" moments
17. We use different parts of our brain in the ____ process.
A) scientific
B) network
C) memory
D) creative
18. The Salient Network monitors ____ events and internal consciousness.
A) interesting
B) past
C) memorable
D) external

19. Some people have a ____ network where one is more active than another.
- A) creative
 - B) distracted
 - C) dominant
 - D) relaxed

Listen to the discussion again. As you listen, complete the Cornell Method notes.

Section A	Section B
What is creativity?	<ul style="list-style-type: none">• Creativity is associated with artistic ability (e.g. painting + music), math, comp. programming + business. Involves more than 1 region of (20.) _____.• 3 networks =<ul style="list-style-type: none">- <u>Executive Attention Network</u> → working memory, focusing on task e.g. listening to lecture- (22.) _____ <u>Network</u> → thinking about future, social interaction, considering other people's thoughts + perspectives- <u>Salience Network</u> → ext. events + int. consciousness; brain prioritizes what's most important• (23.) _____ → doing something else besides task (e.g. walking, driving)• dopamine → (24.) _____ released in brain that makes us relaxed/happy• "ah-ha" moment = when ideas, insights + solutions pop into head like magic
What are the 3 brain (21.) _____?	
What is a distraction?	
What is dopamine?	
What is an "ah-ha" moment?	
Section C Creativity = interaction between of neurons across both hemispheres of brain. The 3 networks → Executive Attention, Imagination + Salient Networks. All involved in process of (25.) _____. Dopamine + distraction = creativity + "ah-ha" moments.	

Look at the chart about asking for and giving clarification. Match the question with the response. Write the letter on the line.

Asking for Clarification	Giving Clarification
___ 26. Dr. Flynn said the left brain/right brain theory is a myth and that the brain doesn't work that way, right?	A. For example, paying attention during on a neuroscience lecture.
___ 27. She said that creativity is not just associated with artistic ability. What did she mean by that?	B. I think she meant those moments when an idea, insight, or solution to a problem suddenly pops into our head.
___ 28. She listed three networks, but I only wrote down two. Did you get the other one?	C. I wrote down that neuroscientists have conducted studies on the brain and creativity, and concluded that the theory is untrue.
___ 29. What's an example of the Executive Attention Network?	D. I think she meant that creativity is crucial in other fields too, such as mathematics, computer programming, and business.
___ 30. Did you understand what she was saying about "ah-ha" moments?	E. I think the third one is the Salience Network.