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

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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

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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

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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?	• Creativity is associated with artistic ability (e.g. painting + music), math, comp. programming + business. Involves more than 1 region of (20.) _____.
What are the 3 brain (21.) _____?	• 3 networks = - Executive Attention Network ➔ working memory, focusing on task e.g. listening to lecture - (22.) _____ Network ➔ thinking about future, social interaction, considering other people's thoughts + perspectives - Salience Network ➔ ext. events + int. consciousness; brain prioritizes what's most important
What is a distraction?	• (23.) _____ ➔ doing something else besides task (e.g. walking, driving)
What is dopamine?	• dopamine ➔ (24.) _____ released in brain that makes us relaxed/happy
What is an "ah-ha" moment?	• "ah-ha" moment = when ideas, insights + solutions pop into head like magic
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.	

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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.

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