Student Example

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Psychology

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"Imaginary Card Game"

1. Amygdala- Not yet an adult and still relying on my emotions to make choices, I chose to play Go-Fish because it reminds me of my joy as a child playing this game.
2. Central Nervous System- Messages come from by brain down my spinal cord telling me to pick up the cards.
3. Cerebellum- As my opponent asks if i have an old lady with a cane, my cerebellum moves my hand at the proper time to the proper card to hand it over.
4. Cerebral Cortex- My cerebral cortex listens for a card of mine to be called, as well as try to coordinate my next move
5. Corpus Callosum- The corpus callosum is allowing information to flow between sides of my brain attempting to make a decision whether to make a logical decision and ask for a card I know i can get or if I should take risks because this game is boring.
6. Frontal Lobe- With the help of my frontal lobe I decide to take a risk and I communicate to the person on my right asking if he has a basketball player in orange.

7. Hippocampus- As I'm playing with my family I remember my little sister always smiles and tries to hide it when she has the nanny card, so when I see her repeat these actions I know she has that card.
8. Left Hemisphere- My right hand reaches for a card from the fish pile as I count the cards my brother has realizing he has almost won, he only has two cards to get rid of while the rest of us have at least four.
9. Medulla- I start to get anxious, I don't want him to win again, but my medulla helps me keep it under control so my opponents don't see me worry.
10. Occipital Lobes - what I see registers in my occipital lobe and I can understand what I see. There is a stack of cards in the middle of the circle from which I must take a card from.
11. Parasympathetic Nervous System- my heart starts racing as someone asks me for a guy in a green turtleneck but the parasympathetic nervous system in my body calms me down as I realize I have a man with a blue shirt on, not green.
12. Parietal Lobes- I can tell I am far enough away from my sister who is sitting next to me with the help of my parietal lobe. She is far enough that she can't see my cards yet close enough I can hear her. She is about 4 feet away from me on my right.
13. Primary Auditory Cortex- Noise come into my ears and heads to my primary auditory cortex which registers into words. Rose asked me "do you have a fish on a bicycle?" and i respond with a yes and hand her my card.

14. Primary Visual Cortex- Images come through my eyes and head toward my primary visual cortex where it will be registered into vision and I can clearly see and tell that It is the card with a fish riding a bicycle that I am handing Rose instead of another card.
15. Right Hemisphere- I can hear music coming from somewhere. My right hemisphere tells me I have heard this song before. It is “I'll make a man out of you” from the disney classic Mulan. I finally understand the metaphor in the song. When it talks about, the force of a great typhoon, It means she will be strong, brave, and leaving destruction to those who get in her way.
16. Somatosensory Cortex- I suddenly feel cold. I look around and I see that someone left a window open and the cold winter air is coming in. I quickly get up to shut it and thanks to my somatosensory cortex the house will not be cold anymore.
17. Substantia Nigra- As i'm sitting here I suddenly realize that my hand is fidgeting with a pencil I found on the floor. I suddenly stop as this could give my opponents a tip on how anxious I am that I might lose. My substantia Nigra has betrayed me by subconsciously fidgeting and giving away my emotions.
18. Temporal Lobes - with the help of my temporal lobes I can understand when Lucas asks me for the nanny with the children climbing on her and it helps me understand that I need to tell him no I do not have her.
19. Thalamus - I almost couldn’t do anything without my Thalamus. There would be no way for me to be winning without it. I wouldn't be able to rely almost any information without it’s help. Thankfully with it I can understand that someone asked me for a card, I’m hungry, and that someone is reaching for a card from the deck.

20. Wernicke’s area- my language area of my left temporal lobe, or Wernicke’s area, is telling my brain that my mom asked me if I could read the directions to see just how someone goes about winning since she forgot. I do and everyone sees now that I am about to win.
21. Acetylcholine- As I get excited because I am minutes away from winning, my heart starts beating rapidly. Thankfully I don't die because the acetylcholine in my body slows it back down and keeps me from having a heart attack from go fish.
22. Dopamine- Dopamine in my body keeps me on track with the game and keeps my attention towards what is going on rather than what I would like to do after the game is finally over.
23. Serotonin- I notice I have yawned approximately 7 times this game now and I feel extremely fatigued. I wonder if my serotonin levels are low or they are not properly regulating my sleep
24. Endorphins- I remember my run I said I would do later today. One of my friends wants me to feel the rush of a runner's high but I am just feeling anxious about it.
25. GABA- Suddenly I feel better about having to run later today, my GABA must be keeping me calm and now I can finally win the game and get on with my run.