Class2 check-in test

Based on:

- Wagner et al., 1998
- Schapiro et al., 2018
- 1. Which statements refer to event-related design of fMRI memory studies, based on Wagner et al. (1998)?
 - a. Allows a trial-by-trial comparison between specific encoding trials that were later remembered or forgotten
 - b. Allows comparison between encoding conditions that are, on average, better or worse remembered
 - c. Is characterized by worse spatial resolution than event-related ERP studies
 - d. Is characterized by better spatial resolution than event-related ERP studies
- 2. In Wagner's (1998) study, while participants learnt new words, their brain activity was higher for words that they later remembered compared to words that they later forgot. In which brain areas/regions?
 - a. left inferior frontal gyrus
 - b. motor cortex
 - c. parahippocampal gyrus
 - d. visual cortex
- 3. What kind of *replay* mechanism was demonstrated by Schapiro et al. (2018)?
 - a. Reactivation of individual satellites in the human hippocampus
 - b. Replay during quiet rest, after a period of sleep
 - c. Replay of strong memories during long periods of sleep
 - d. Sequential replay of the satellites order in hippocampal place cells
- 4. How can we describe a relationship between replay and memory, according to Schapiro et al. (2018)?
 - a. It adaptively strengthens memories that are the most in need (for example, objects trained least frequently)
 - b. It improves memory, but only in is subjects who slept between the sessions of compared memory tasks
 - c. It reflects that the strongest memories are more likely to persist into subsequent rest during which they get replayed
 - d. It would likely prioritize memories which are barely encoded and lack any representation in our memory