## Input

## Few-shot examples

**Question Keywords:** <u>healthy</u>, <u>woman</u>, comes, physician, 8, months, husband, killed, car crash, decreased, <u>difficulty falling asleep</u>, states, <u>sad</u>, <u>cries</u>, <u>frequently</u>, door lock, five, house, five, pieces, toilet paper, perfectionist, urges, rituals, Pharmacotherapy, <u>neurotransmitters</u>

**Candidate Answers:** (a) Dopamine (b) Glutamate (c) Norepinephrine (d) Serotonin **Context:** 

## Output

Overall The woman is exhibiting symptoms of major depressive episodes, such as difficulty context falling asleep, frequent crying, and a persistent feeling of sadness.

(a): Dopamine is a neurotransmitter that increases positive emotions. It is implicated

- in many disease processes, including Parkinson's and ADHD, and is targeted by antipsychotic medications but not used as a sleep aid. It is not a treatment for the patient's symptoms.
- (b): Glutamate is a neurotransmitter that is associated with multiple neurological disorders including epilepsy, stroke, and autism. It is not a treatment for the patient's symptoms.

Relationship

- (c): Norepinephrine is a catecholamine with adrenergic properties. It is not a treatment for the patient's symptoms.
- (d): Serotonin is a neurotransmitter which is the target for multiple antidepressants, anxiolytics, and antipsychotics. It could be a treatment to address the patient's symptoms of depression and anxiety.

Preliminary decision—

Specific

context

Therefore, the answer is (d).