

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Quiz name: **Q7\_ALS**

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1. TDP-43 is implicated in ALS progression and evidence suggests that it plays a role in

- (A) miRNA biogenesis
  - (B) regulation of splicing
  - (C) lncRNA binding
  - (D) transcription inhibition
  - (E) All of the above
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2. Familial ALS is linked to mutations in

- (A) C9ORF72
  - (B) SOD1
  - (C) TDP-43
  - (D) FUS/TLS
  - (E) A, B and D
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3. FTD and ALS are mechanistically linked by

- (A) Mutations in the same genes
  - (B) disruptions in protein degradation pathways
  - (C) changes in RNA levels
  - (D) none of the above
  - (E) A and B
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4. PGC-1 $\alpha$  is

- (A) RNA binding protein
  - (B) a transcription factor
  - (C) a transcriptional coactivator
  - (D) A and C
  - (E) none of the above
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5. SOD1G37R denotes a superoxide dismutase that

- (A) Has increased activity
- (B) Has decreased activity
- (C) affects mitochondrial activity
- (D) none of the above
- (E) A and C