| Name:        | Date:   |
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| Life Science | Period: |



## **ZAP!** Erasing Memories

By R. Douglas Fields Odyssey Magazine

Answer the following questions in complete sentences. You will be graded according to the distributed Weekly Science Article rubric.

| 1.         | What did a scientist by the name of Bernard Agranoff discover how to do in the 1960's, using a drug? |
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|            |  |
| 2.         | How does the memory-erasing drug work?   |
|            |  |
| ^          | Whose are mustains made?   |
| <b>ა</b> . | Where are proteins made?   |
| 4.         | Describe the process of transcription.   |
|            |  |
| 5.         | What are synapses?   |
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| 6. | What did Donald Hebb suggest about how synaptic connections build memories?   |  |
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| 7. | The ability to erase memories is a responsibility that scientists should not take lightly. If scientists are able to erase memories by blocking proteins that strengthen synaptic connections, there could be both positive and negative consequences. In a cohesive paragraph, consisting of at least four sentences, explain whether or not scientists should use these drugs on humans? (Hintthink about why memories should or should not be erased.) |  |
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