

Unit 1

Example Test Questions

If the intensity of a stimulus that is presented to a touch receptor is increased, this tends to increase the_____in the receptor's axon.

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- b. size of the nerve impulses
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If kittens are raised in an environment that contains only verticals, you would predict that most of the neurons in their visual cortex would respond best to the visual presentation of a

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- a. functional Magnetic Resonance Imaging
- b. Electroencephalograph
- c. Transcranial Magnetic Stimulation
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If I want to record brain activity, non-invasively, and have the highest temporal resolution, I would use:

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The results of Gauthier's "Greeble" experiment illustrate

- a. that neurons specialized to respond to faces are present in our brains when we are born.
- b. that training a monkey to recognize the difference between common objects can influence how the monkey's neurons fire to these objects.
- c. an effect of experience-dependent plasticity.
- d. that our nervous systems remain fairly stable in different environments.

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Which of the following is NOT an example of a physical regularity in your text?

- a. The oblique effect
- b. The light-from-above assumption
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Helmholtz' and the Gestalts differed in their views of perception in that...

- a. The Gestalts believed that perception is entirely top-down, while Helmholtz believed it is entirely bottom-up
- b. Helmholtz believed that perception is entirely top-down, while the Gestalts believed it is entirely bottom-up
- c. The Gestalts believed that experience was important in determining our perception, while Helmholtz did not
- d. Helmholtz believed that experience was important in determining our perception, while the Gestalts did not

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Imagine a participant was able to completely block out word-reading in a standard Stroop task. From our discussion in lecture, what would be the best predicted outcome.

- a. Incongruent reaction times would be faster than congruent reaction times
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