

BRAIN CROSSWORD
for lesson 64

ACROSS:

- 1) This part transfers short term memories to long term storage.
- 4) This protective layer has fibers that look like spider webs.
- 10) This part maintains body temperature and controls hunger.
- 11) The pons and the medulla make the brain _____.
- 13) This is the correct name for a wrinkle (bump) on the brain.
- 15) The top part of the brain is called the _____.
- 18) This "bridge" part controls your waking and sleeping cycles.
- 22) This lower part of the cerebrum connects it to the limbic system below.
- 23) This is the center for strong emotion, especially anger and fear.
- 24) The _____ bodies are at one end of the fornix and have spatial memory.
- 25) This is a long, thin connecting piece that lies on top of the thalamus.
- 26) The upper _____ is where your eye reflexes are located. The lower one has the ear reflexes.
- 27) This protective layer is tough. Its name means "tough mother."
- 28) This gland produces melatonin which helps you sleep.
- 29) These are fluid-filled spaces in the brain.

DOWN:

- 2) This protective layer is softer. Its name means "soft mother."
- 3) This is the connecting piece between the left and right cerebrum.
- 5) This neurotransmitter chemical is produced by the midbrain and is essential in voluntary control over the muscles.
- 6) This gland produces many different hormones, some of which control body growth and sexual development.
- 7) This is the lowest part of the brain stem and controls heart rate.
- 8) The _____ ganglia are at the bottom of the cerebrum and were not shown in our drawing. They connect the cerebrum with the muscles.
- 9) This is the correct name for a crack between the wrinkles.
- 12) This bulb connects the brain to the nose.
- 14) The cerebrum has two _____.
- 16) This central part contains many reflexes and also the pathways from the cerebrum to the muscles.
- 17) White matter contains mostly the _____ of neurons.
- 19) This central part sorts incoming signals.
- 20) Wrinkles provide the brain with more _____ area.
- 21) The lengthwise cut shown in our drawing is a _____ section.
- 22) The "little brain" under the cerebrum is the _____.
- 26) The very outer part of the cerebrum is called the (neo)_____.

ANSWER KEY

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ACROSS

- 1) hippocampus
- 4) arachnoid
- 10) hypothalamus
- 11) stem
- 13) gyrus
- 15) cerebrum
- 18) pons
- 22) cingulate gyrus
- 23) amygdala
- 24) mammillary
- 25) fornix
- 26) colliculus
- 27) duramater
- 28) pineal
- 29) ventricles

DOWN

- 2) pia mater
- 3) corpus callosum
- 5) dopamine
- 6) pituitary
- 7) medulla oblongata
- 8) basal
- 9) sulcus
- 12) olfactory
- 14) hemispheres
- 16) midbrain
- 17) axons
- 19) thalamus
- 20) surface
- 21) sagittal
- 22) cerebellum
- 26) cortex