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Taste receptor cells are renewed:

(A) Every 10 days

<https://selldocx.com/products>

[/test-bank-foundations-of-sensation-and-perception-3e-mather](#)

(B) Every 60 days

Answer:

(A) Every 10 days

(C) Every 6 weeks

(D) Every 10 weeks

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Your house does not smell, but your friend's does, probably because...

(A) You have a very discriminating nose

(B) Your house is very clean

Answer:

(C) Your nose has adapted to your house

(C) Your nose has adapted to your house

(D) Your friend's house is in a mess

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Adapting to a sour taste will cause water to taste:

(A) Sweet

(B) Sour

Answer:

(A) Sweet

(C) Bitter

(D) Salty

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How many types of olfactory receptor do humans have?

(A) 5-10

(B) 50-100

Answer:

(C) 500-1000

(C) 500-1000

(D) 5000-10000

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Which statement about taste and flavour is false?

- (A) Toxic plant alkaloids taste sour
- (B) Changing the colour of a food can alter its flavour
- (C) Changing the viscosity of a food can alter its flavour
- (D) Sodium chloride tastes salty

Answer:

(A) Toxic plant alkaloids taste sour

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The decrease in perceived intensity of a smell during continuous exposure is known as:

- (A) Odour adaptation
- (B) Odour blindness
- (C) Temporary anosmia
- (D) Partial anosmia

Answer:

(A) Odour adaptation

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Which statement about the sensory pathways for taste is incorrect:

- (A) Afferent nerves terminate in the brainstem
- (B) Afferent nerves in the rat can be grouped according to their response to different substances
- (C) Some sensory nerves project directly to the amygdala
- (D) Sensory projections go to the primary gustatory cortex via the thalamus

Answer:

(C) Some sensory nerves project directly to the amygdala

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Evidence indicates that in odour identification tasks:

- (A) Women outperform men most of the time
- (B) There is no gender based performance difference
- (C) Men outperform women most of the time
- (D) Both genders are quite good at identifying odours

Answer:

(A) Women outperform men most of the time

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Which statement about olfactory mitral cells is true. They:

- (A) Have a direct projection to the amygdala
- (B) Are relayed via the thalamus to the primary olfactory cortex
- (C) Greatly outnumber olfactory receptor cells
- (D) Each receive axons from a variety of different types of olfactory receptors

Answer:

(A) Have a direct projection to the amygdala

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Which statement about conditioned taste aversion is true. It:

- (A) Develops without conscious awareness or control
- (B) Is learned by observing the food preferences of peers
- (C) Requires several associations to learn
- (D) Is seen in rodents, birds, and fish, but not humans and monkeys.

Answer:

(A) Develops without conscious awareness or control

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Which substance evokes the umami taste sensation in humans?

- (A) Glutamic acid
- (B) Glucose
- (C) Glycosamine
- (D) Glycogen

Answer:

(A) Glutamic acid

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Answer:

(A) Every 60 days

(D Every 6 weeks
)

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Which of the following statements about the taste primaries theory is incorrect?

- (A) Taste is based on a distributed population code
- (B) Taste is an analytic sense
- (C) All tastes can be subdivided into the contribution from five basic sensations
- (D) The five types of sensory neuron act as labelled lines

Answer:

(A Taste is based on a distributed population code
)

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The neural system responsible for flavour includes neurones in:

- (A) Occipito-parietal cortex
- (B) Temporo-parietal cortex
- (C) Occipito-temporal cortex
- (D) Orbito-frontal cortex

Answer:

(D Orbito-frontal cortex
)

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Which of the following statements about olfaction is false?

- (A) It is possible to predict the smell evoked by novel molecules
- (B) Humans can distinguish gender on the basis of breath or hand smell
- (C) Chemical signals in smells can cause menstrual synchrony in women
- (D) Doctors used to use a patient's smell to assist in their diagnosis

Answer:

(A It is possible to predict the smell evoked by novel
) molecules

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Partial anosmia is:

- (A) Due to a genetic deficiency in olfactory reception

Answer:

(A Due to a genetic deficiency in olfactory reception
)

- (B) Difficulty getting a good nights sleep
- (C) Extremely rare in humans
- (D) Caused by damage to the olfactory nerve as it passes through the cribriform plate

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Which substance tastes sour?

- (A) Citric acid
- (B) Morphine
- (C) Quinine
- (D) Monosodium glutamate

Answer:

(A Citric acid
)

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Free nerve endings:

- (A) Signal the tingle, cool, and burn qualities of smells
- (B) Signal umami
- (C) Signal the saltiness of foods
- (D) Signal the hedonic nature of smells

Answer:

(A Signal the tingle, cool, and burn qualities of smells
)

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The psychological sensation of eating is known as:

- (A) Gustation
- (B) Olfaction
- (C) Flavour
- (D) Gastronomy

Answer:

(C)Flavour