Interior Design and Human Health

Interior Design · Answer Key · 20 Questions

1. What is the primary term for the design discipline that focuses on fitting furniture and equipment to the user's body to prevent injury?

A) Biophilia
B) Ergonomics
C) Acoustics
D) Ventilation

2. Which type of lighting is known to help regulate the human body's circadian rhythm?

A) Natural daylight
B) Fluorescent light
C) Neon light
D) Strobe light

3. What is the most common health-related reason for maintaining proper indoor air quality in a home?

A) To increase room temperature
B) To prevent respiratory irritation
C) To save electricity
D) To improve wall paint longevity

4. In interior design, what is the recommended height for a standard desk to maintain a neutral spine position for an average adult?

A) 28 to 30 inches
B) 10 to 12 inches
C) 45 to 50 inches
D) 60 to 65 inches

5. Which color is scientifically most often associated with lowering heart rate and promoting a sense of calm?

A) Bright red
B) Neon yellow
C) Soft blue
D) Vibrant orange

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6. What is the primary health benefit of using materials with low Volatile Organic Compound (VOC) emissions?

A) Reducing indoor air pollutants
B) Increasing floor durability
C) Enhancing room brightness
D) Lowering building costs

7. Which part of the human body is most affected by poor chair design that lacks lumbar support?

A) The ankles
B) The lower back
C) The fingers
D) The ears

8. What is 'Biophilic design' primarily intended to do for human health?

A) Increase static electricity
B) Connect occupants with nature to reduce stress
C) Increase the need for artificial cooling
D) Make furniture easier to clean

9. Which feature is commonly added to interior spaces to reduce noise pollution, which is linked to human stress?

A) Hard marble floors
B) Acoustic wall panels
C) Glass ceilings
D) Metal furniture

10. Exposure to high levels of what interior design element is linked to disrupted sleep patterns?

A) Blue light from screens or lamps
B) Soft velvet fabrics
C) Indoor potted plants
D) Neutral wall paint

11. What physical health issue can be reduced by using standing desks in a home office?

A) Dehydration
B) Prolonged sedentary behavior
C) Vitamin D deficiency
D) Muscle fatigue in the feet

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12. Which of these is a common health risk associated with rooms that have zero access to natural light?

A) Reduced Vitamin D synthesis
B) Excessive skin pigmentation
C) Increased bone density
D) Heightened sense of smell

13. What is the human physiological impact of 'thermal comfort' in an interior environment?

A) It requires higher electricity bills
B) It prevents the body from working too hard to regulate temperature
C) It changes the color of the skin
D) It causes rapid muscle growth

14. Why are rounded or 'soft' furniture edges considered better for safety in residential design?

A) They are cheaper to manufacture
B) They reduce the severity of impact injuries
C) They take up less floor space
D) They are easier to paint

15. What do 'task lights' specifically help prevent regarding eye health?

A) Astigmatism
B) Eye strain from insufficient illumination
C) Color blindness
D) Chronic dry eyes

16. Which sensory system is most directly affected by the 'acoustics' of an interior space?

A) The visual system
B) The auditory system
C) The gustatory system
D) The olfactory system

17. What is the health purpose of installing handrails in a bathroom?

A) To store towels
B) To provide stability and prevent falls
C) To improve aesthetic appeal
D) To hide plumbing pipes

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18. How does high humidity in an interior space primarily affect human health?

A) It improves hearing

B) It can lead to mold growth and respiratory issues

C) It makes hair grow faster

D) It increases body temperature

19. What is the purpose of using non-slip flooring materials in high-traffic interior areas?

A) To prevent physical slips and falls

B) To keep floors warmer

C) To improve room acoustics

D) To reduce dust accumulation

20. What is a key physiological benefit of having adequate window space in a bedroom?

A) It increases the room's temperature

B) It allows for natural wake-up cues via sunlight

C) It makes the room smell better

D) It reduces the need for furniture

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