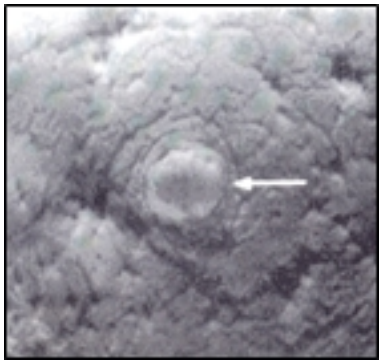
Embryology I (eng)

44% (11/25)

✗ **1. Which hormones regulate menstrual (uterine) cycle?**

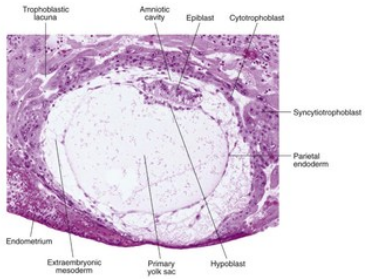
- A Estrogen and progesteron
- B FSH and LH
- C Gonadoliberins a statins
- D Testosteron
- E Cortisol

✗ **2. At what day the embryo finishes implantation into the uterine mucosa?**



- A 3
- B 6-7
- C 12
- D 24
- E 45

✗ **3. How old is this embryo?**

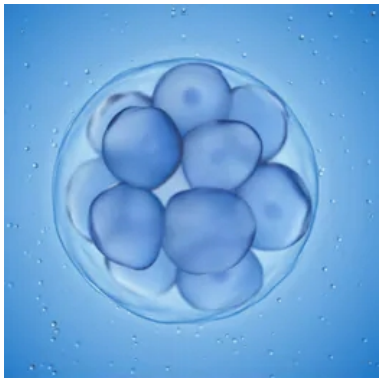


- A 24 hrs
- B 3 days
- C about a week
- D about two weeks
- E 5 weeks

✗ **4. Neuroectoderm is induced by:**

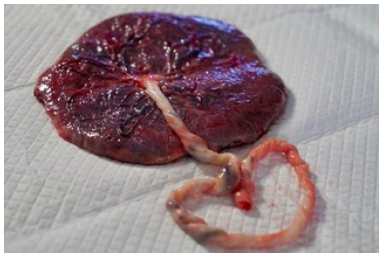
- A Primitive streak
- B Primitive gut
- C Primitive node
- D Notochord
- E Prochordal plate

✗ 5. Morula contains cells that are:



(A) Pluripotent
(B) Totipotent
(C) Multipotent
(D) Oligopotent
(E) Unipotent

✓ 6. According to its function, human placenta is:

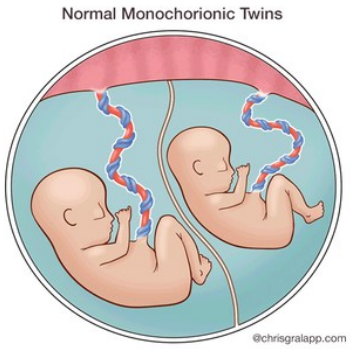


(A) Hemochorial
(B) Epitheliochorial
(C) Endotheliochorial

✓ 7. Fetal and maternal blood mix in the placenta.

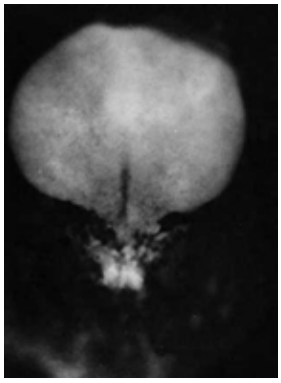
(A) True
(B) False

✗ 8. Monozygotic twins that share chorion and placenta, but each has its own amnion, were divided:



(A) about day 23 after conception
(B) at the end of the first week
(C) during formation of trilaminar disc
(D) after flexion of the embryo and development of connective stalk
(E) immediately after fertilization

✓ 9. What DOES NOT belong among the axial structures of the embryo?



A Notochod
B Primitive streak
C Primitive node
D Cloacal membrane
E Allantois

✗ 10. Neurenteric canal (of Lieberkuhn) connects:

A Yolk sac cavity and amniotic cavity
B Primitive gut and yolk sac
C Placenta and embryo
D Brain ventricles
E Canalis centralis and placenta

✗ 11. Notochord is fully developed:

A Day 3
B Day 7
C Day 19
D Week 4
E About 6th month

✓ 12. Somites are derived from:

A paraxial mesoderms
B lateral mesoderm
C intermediate mesoderm
D neuroectoderm
E extraembryonic mesoderm

✗ **13. Haw many pairs of somites develop during human development?**

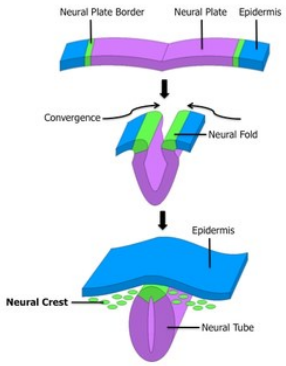
- A 3
- B 20-25
- C 42-44
- D 90-98
- E up to 150 (in tall individuals)

✓ **14. At what week the maximum number of somites is present?**

- A 1
- B 3
- C 5
- D 12
- E Number of somites gradually increases until birth

✗ **15. What does NOT develop from neural crest cells?**

- A Melanocytes
- B Schwann cells
- C Adrenal medulla
- D CNS neurons
- E Cells of ectomesenchyme



✗ **16. Tissue derived from notochord persists in adult body as:**

- A Nucleus pulposus
- B Annulus fibrosus
- C Spinal cord
- D Vertebral bodies
- E Spinal nerves in cauda equina

✓ **17. When does the primitive heart start beating?**

- A Week 1
- B Week 2-3
- C Month 2
- D Month 4
- E After birth

✓ **18. How old is the embryo? (weeks)**

- A 1
- B 2
- C 4
- D 8
- E 12

✗ **19. How old is the embryo? (weeks)**

- A 2
- B 5
- C 8-9
- D 15
- E 36

✓ **20. When do the limb buds first appear? (week)**

- A 3
- B 4
- C 5
- D 6
- E 7

✓ 21. Length of pregnancy according to the conception age is by two weeks longer than the length of pregnancy according to the first day of the last menstruation.

- (A) True
- (B) False

✓ 22. What is the weight of a full term, mature newborn?

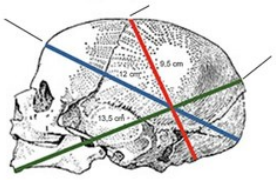
- (A) 3kg
- (B) 5kg
- (C) 1kg
- (D) 2kg
- (E) 800g

✓ 23. Largest head circumference (in the plane of the occipitofrontal diameter) of a full term, mature newborn is about:

- (A) 10 cm
- (B) 34 cm
- (C) 45 cm
- (D) 52 cm
- (E) 8 cm

✗ 24. The smallest diameter on a newborn head is:

- (A) Diameter frontooccipitalis
- (B) Diameter suboccipitobregmatica
- (C) Diameter mentooccipitalis
- (D) Diameter biacromialis



✗ 25. Current limit of viability (when the full care is provided and according to the actual clinical context) is:

- (A) Week 18
- (B) Week 25
- (C) Week 36
- (D) Week 40
- (E) Week 42