

Embryology I (eng)

Total Questions: 25

Most Correct Answers: #7

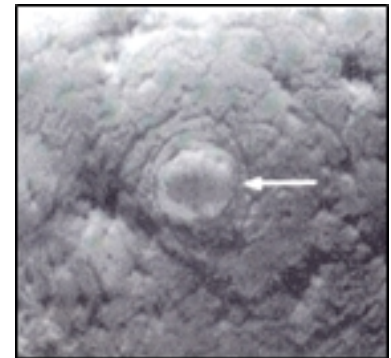
Least Correct Answers: #15

1. Which hormones regulate menstrual (uterine) cycle?

- 16/45 ☒ A Estrogen and progesteron
- 25/45 ☐ B FSH and LH
- 0/45 ☐ C Gonadoliberins a statins
- 0/45 ☐ D Testosteron
- 0/45 ☐ E Cortisol

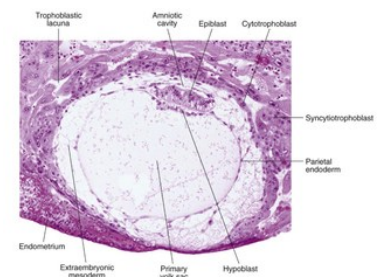
2. At what day the embryo finishes implantation into the uterine mucosa?

- 0/45 ☐ A 3
- 10/45 ☐ B 6-7
- 27/45 ☒ C 12
- 4/45 ☐ D 24
- 0/45 ☐ E 45



3. How old is this embryo?

- 1/45 ☐ A 24 hrs
- 0/45 ☐ B 3 days
- 5/45 ☐ C about a week
- 35/45 ☒ D about two weeks
- 0/45 ☐ E 5 weeks

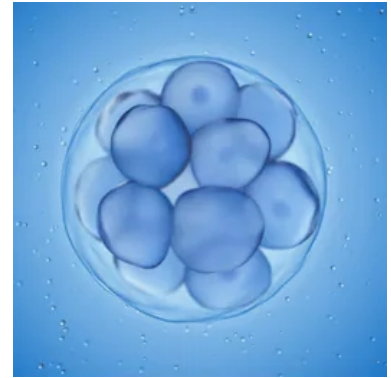


4. Neuroectoderm is induced by:

- 4/45 ☐ A Primitive streak
- 1/45 ☐ B Primitive gut
- 2/45 ☐ C Primitive node
- 31/45 ☒ D Notochord
- 5/45 ☐ E Prochordal plate

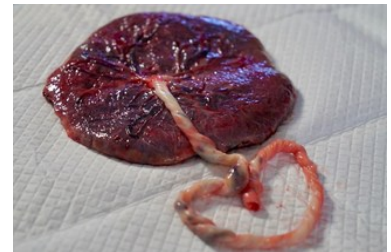
5. Morula contains cells that are:

- 15/45 ☐ A Pluripotent
- 25/45 ☒ B Totipotent
- 4/45 ☐ C Multipotent
- 0/45 ☐ D Oligopotent
- 0/45 ☐ E Unipotent



6. According to its function, human placenta is:

- 39/45 ☒ A Hemochorial
- 3/45 ☐ B Epitheliochorial
- 2/45 ☐ C Endotheliochorial

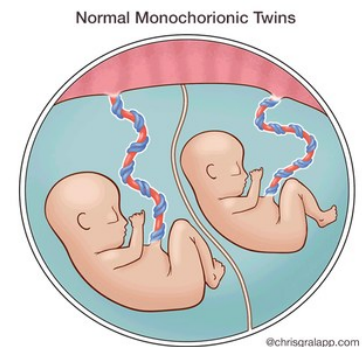


7. Fetal and maternal blood mix in the placenta.

- 4/45 ☐ A True
- 40/45 ☒ B False

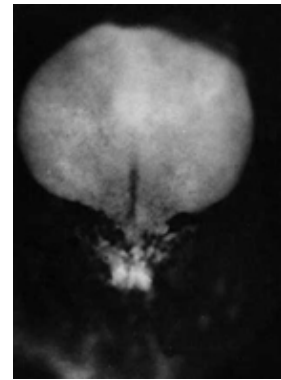
8. Monozygotic twins that share chorion and placenta, but each has its own amnion, were divided:

- 5/45 ☐ A about day 23 after conception
- 13/45 ☒ B at the end of the first week
- 12/45 ☐ C during formation of trilaminar disc
- 12/45 ☐ D after flexion of the embryo and development of connective stalk
- 2/45 ☐ E immediately after fertilization



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

- 9/45 ☐ A Notochord
0/45 ☐ B Primitive streak
2/45 ☐ C Primitive node
6/45 ☐ D Cloacal membrane
26/45 ☒ E Allantois



10. Neurenteric canal (of Lieberkuhn) connects:

- 30/45 ☒ A Yolk sac cavity and amniotic cavity
3/45 ☐ B Primitive gut and yolk sac
3/45 ☐ C Placenta and embryo
7/45 ☐ D Brain ventricles
1/45 ☐ E Canalis centralis and placenta

11. Notochord is fully developed:

- 0/45 ☐ A Day 3
6/45 ☐ B Day 7
27/45 ☒ C Day 19
9/45 ☐ D Week 4
2/45 ☐ E About 6th month

12. Somites are derived from:

- 33/45 ☒ A paraxial mesoderms
1/45 ☐ B lateral mesoderm
4/45 ☐ C intermediate mesoderm
2/45 ☐ D neuroectoderm
4/45 ☐ E extraembryonic mesoderm

13. How many pairs of somites develop during human development?

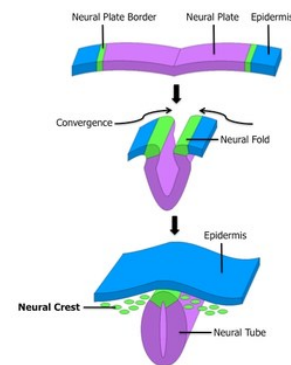
- 1/45 ☐ A 3
- 3/45 ☐ B 20-25
- 32/45 ☒ C 42-44
- 4/45 ☐ D 90-98
- 4/45 ☐ E up to 150 (in tall individuals)

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

- 2/45 ☐ A 1
- 11/45 ☐ B 3
- 15/45 ☒ C 5
- 11/45 ☐ D 12
- 5/45 ☐ E Number of somites gradually increases until birth

15. What does NOT develop from neural crest cells?

- 7/45 ☐ A Melanocytes
- 1/45 ☐ B Schwann cells
- 7/45 ☐ C Adrenal medulla
- 12/45 ☒ D CNS neurons
- 16/45 ☐ E Cells of ectomesenchyme



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

- 25/45 ☒ A Nucleus pulposus
- 4/45 ☐ B Annulus fibrosus
- 10/45 ☐ C Spinal cord
- 4/45 ☐ D Vertebral bodies
- 1/45 ☐ E Spinal nerves in cauda equina

17. When does the primitive heart start beating?

- 1/45 ☐ A Week 1
- 27/45 ☒ B Week 2-3
- 14/45 ☐ C Month 2
- 2/45 ☐ D Month 4
- 0/45 ☐ E After birth

18. How old is the embryo? (weeks)

- 0/45 ☐ A 1
- 5/45 ☐ B 2
- 28/45 ☒ C 4
- 10/45 ☐ D 8
- 0/45 ☐ E 12



19. How old is the embryo? (weeks)

- 0/45 ☐ A 2
- 0/45 ☐ B 5
- 15/45 ☒ C 8-9
- 24/45 ☐ D 15
- 4/45 ☐ E 36



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

- 3/45 ☐ A 3
- 4/45 ☐ B 4
- 27/45 ☒ C 5
- 10/45 ☐ D 6
- 0/45 ☐ 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.

- 21/45 ☐ A True
- 23/45 ☒ B False

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

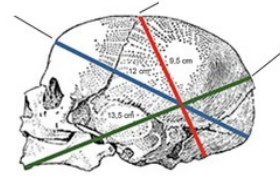
- 39/45 ☒ A 3kg
- 1/45 ☐ B 5kg
- 2/45 ☐ C 1kg
- 2/45 ☐ D 2kg
- 0/45 ☐ E 800g

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

- 12/45 ☐ A 10 cm
- 29/45 ☒ B 34 cm
- 0/45 ☐ C 45 cm
- 2/45 ☐ D 52 cm
- 1/45 ☐ E 8 cm

24. The smallest diameter on a newborn head is:

- 1/45 ☐ A Diameter frontooccipitalis
- 39/45 ☒ B Diameter suboccipitobregmatica
- 2/45 ☐ C Diameter mentoooccipitalis
- 1/45 ☐ D Diameter biacromialis



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

- 2/45 ☐ A Week 18
- 26/45 ☒ B Week 25
- 5/45 ☐ C Week 36
- 2/45 ☐ D Week 40
- 9/45 ☐ E Week 42