1. Asexual reproduction needs how many parents?

   ☐ none

   ☐ three

   ☐ one

   ☐ two

2. What did Hertwig observe in 1876?

   ☐ Cells dividing by mitosis

   ☐ A plant bending to light

   ☐ A sperm nucleus fusing with an egg nucleus

   ☐ DNA's double helix

3. Pollen is produced by the:

   ☐ stigma

   ☐ style

   ☐ ovary

   ☐ anther

4. After landing on the stigma, a pollen grain grows a:

   ☐ leaf to make food for the seed

   ☐ new flower on top of the stigma

   ☐ root down into the style

   ☐ pollen tube down to the ovule

5. What is another name for a Fallopian tube?

   ☐ Sperm duct

   ☐ Cervix

   ☐ Oviduct

   ☐ Urethra

6. In the placenta, the mother's and baby's blood mix freely.

   ☐ True ☐ False

exercises.lol exercises.com.cn

_____

8. HIV can be caught from hugging or sharing a cup.

   ☐ True ☐ False

9. Which reproduce asexually? (Select all that apply.)

   ☐ bacteria dividing in two

   ☐ a plant growing runners

   ☐ a baby from two parents

   ☐ a plant grown from a cutting

   Tick every correct option.

10. How many chromosomes are in a human egg cell?

    _____

1. **one**

   Only one parent is needed.

2. **A sperm nucleus fusing with an egg nucleus**

   The first clear view of fertilisation.

3. **anther**

   The anther (part of the stamen) makes pollen.

4. **pollen tube down to the ovule**

   The pollen tube carries the male nucleus to the ovule.

5. **Oviduct**

   It carries the egg to the uterus.

6. **False**

   False. The two bloods flow close together but do not mix; substances pass across a thin barrier by diffusion, which protects the fetus from blood pressure differences and some pathogens.

7. **14**

   The middle of the cycle.

8. **False**

   HIV spreads through specific body fluids, not everyday contact.

9. **bacteria dividing in two; a plant growing runners; a plant grown from a cutting**

   A baby from two parents is sexual reproduction.

10. **23**

    Haploid; one set.

exercises.lol exercises.com.cn