LKPD SCIENCE
HUMAN REPRODUCTION

Fertilisation – Embryo Development – Fetus Anatomy – Fetal Development in Each Trimester

Name : _____
Class : _____
Date : _____

Learning Goal: I can explain fertilisation, embryo development, fetus anatomy, and fetal development in each trimester.

DID YOU KNOW?
The journey from a single cell to a baby is an amazing process!

1 FERTILISATION

Fertilisation is when a sperm cell joins with an egg cell to form a zygote.

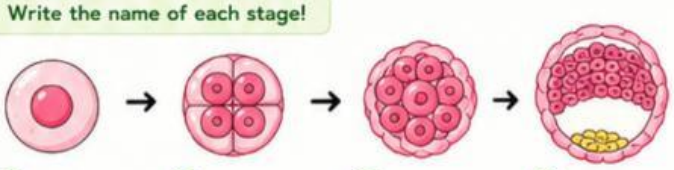
Look at the picture and complete the steps!

1. The sperm cell moves through the female reproductive tract to reach the egg.
2. The sperm joins with the egg (fertilisation) in the _____.
3. A new cell called _____ is formed. It has 23 pairs of chromosomes.

2 EMBRYO DEVELOPMENT

After fertilisation, the zygote divides many times and develops into an embryo.

Write the name of each stage!



1. _____
2. _____
3. _____
4. _____

1. Zygote: _____
2. 4-cell stage: _____
3. Morula: _____
4. Blastocyst: _____

3 FETUS ANATOMY – BABY IN THE WOMB

The fetus grows and develops inside the uterus with help from several important parts. Look at the picture and label the body parts using the words in the box!

Placenta | Umbilical Cord | Amniotic Fluid | Uterus | Cervix | Vagina

Function of Each Part

1. Placenta : _____
2. Umbilical Cord : _____
3. Amniotic Fluid : _____
4. Uterus : _____
5. Cervix : _____
6. Vagina : _____

4 FETAL DEVELOPMENT IN EACH TRIMESTER

The pregnancy lasts about 40 weeks (about 9 months) and is divided into 3 trimesters. Complete the table below!

	FIRST TRIMESTER (0 - 12 weeks)	SECOND TRIMESTER (13 - 26 weeks)	THIRD TRIMESTER (27 - 40 weeks)
Picture			
Main Development	_____	_____	_____
Size (about)	_____ cm	_____ cm	_____ cm
Weight (about)	_____ gram	_____ gram	_____ kg
Important Things	_____	_____	_____

THINK & ANSWER!

1. What happens during fertilisation?
   _____
2. Where does fertilisation usually occur?
   _____
3. Why is the placenta important for the fetus?
   _____

Every tiny step in the womb is a beautiful miracle of life

LIVEWORKSHEETS