

NAME..... COURSE. 3rd ESO DATE

1. INTRODUCTORY ACTIVITY: BETTING GAME

Aim: predicting and activating **prior knowledge** about THE REPRODUCTIVE SYSTEM IN HUMANS

Procedure: Step 1 individually, from 2 to the end in pairs.

1. Hand out the worksheets and explain that some of the statements are right and some of them are wrong. If they think the statement is right, they put a tick in the right column, if they think it is wrong, they put a tick the wrong column.
2. Students compare their answers then agree on the answer and on a bet (10 / 20 / 3090) and write the number in the bet column.
3. Set a time limit then check orally.
4. If they are right, they gain the number of points they have bet. If they are wrong, they lose the number of points they have bet.
5. They add the the total losses and gains to reach a total. (gains minus losses)
6. Which pair has the largest number?

REPRODUCTIVE SYSTEM.....	RIGHT	WRONG	BET	LOSS	GAIN
The two testes (one of them is called a testis) are contained in a bag of skin called the scrotum					
The male sex hormones are called Estrògens					
Sperm are produced in the testes					
The most sensitive point for female sexual stimulation is called clitoris					
The ureter goes through the penis					
Ovaries are located in the scrotum					
The lining of the uterus is called the endometrium					
Menstruation is the release of a mature "egg" from the ovary					
A woman become pregnant when the egg reach the vagina					
The flow of blood and tissue, which lasts only about 4-5 days, is called. Ovulation					
TOTAL					

GRAND TOTAL:

They can achieve, in case they were correct and bet 100 points in each correct answer, 1.000 points.
Compare results and discuss why some results are wrong. Let students participate.

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2. OBSERVATION OF THE REPRODUCTIVE CELLS OF THE MUSSEL**1. PURPOSE**

- To watch reproductive cells alive: spermatozoids and ovules.
- To draw living cells from the microscope.
- To determine the real size of the cells according to the increase of the microscope and the apparent size.
- To appreciate the differences between the ovules and the spermatozoids.

2. MATERIAL :

Male and female mussel. Microscope
Knife, 2 slides, clamps, slide cover, filter paper and microscope.

3. PROCEDURE:

1. On opening the mussels you will see that some are whitish -they are the males- and some are oranges -the females.
2. Make two preparations, one with ovules and the other one with spermatozoids.
3. The procedure that has to be followed is the same one for both preparations.
4. You put a drop of water, which has let the mussel go on opening it, above of the slide.
5. With a knife make a cut in the gonads (most of the gonad is in the mantle)
6. From the inside you take some tissue making a pinch with the clamps and you put it on the drop of water.
7. Place the slide cover.
8. With a lot of care put some filter paper above and you press it softly.
9. Watch the preparation in the microscope at 400X.
10. Draw the reproductive cells.
11. If you has observed spermatozoids, exchange the slide with another student that has got ovules, and viceversa.

The best period to make the practice is from September to April.

4. RESULTS:

- Describe the cells you are watching: size, form, mobile or not, colour, ...
- Calculate approximately the real size of the cells taking the apparent size and the increase into account.
- Compare now this cells with the ones of the other sex. Write in your notebook the differences.
- Draw your observations into the square below

REPRODUCTIVE SYSTEM

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OVULES x400	SPERMATOZOIDS x400
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CONCLUSIONS

6. BIBLIOGRAPHY / WEBGRAPHY

<http://www.xtec.es/~jvert/eso/primer/mare/5/conecm/1fecun/repro.htm>

<http://webs.lander.edu/rsfox/invertebrates/mytilus.html>

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3. CONTRACEPTION - WHICH METHOD IS MOST EFFECTIVE?

1. PURPOSE:

To find out the best contraceptive method for you.

2. MATERIAL :

Contraceptive methods' information and chart to fill in.

3. PROCEDURE:

1. Work in 3 groups of 5 or 6 students
2. Each student can choose one contraceptive method.
3. The information texts about each method are on the walls.
4. Each student look for his method on the wall, read the text and try to memorize different features of the method.
5. He or she goes back to the group and fill in the chart.
6. He or she informs the others about what has learned (orally, better without reading)
7. The group has to choose the best contraceptive method under its point of view.
8. One speaker in each group gives the reasons for the group's choice.

4. RESULTS: CHART

CONTRACEPTIVE METHOD	HOW IT WORKS	EFFECTIVENESS	ADVANTAGES	DISADVANTAGES
PILL				
DIAPHRAGM				
MALE CONDOM				
FEMALE CONDOM				
I.U.D.				
VASECTOMY				
SPERMICIDE				


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5. LANGUAGE SUPPORT:

 We'd prefer the..... because its effectiveness is.....

 There are 1/2/3 advantages for this:

 Another thing is

 We don't think the is a good idea because the main disadvantage is.....

 We think is difficult to get (obtain) because.....

 The..... is cheaper / more expensive than.....

 Theis easier/more difficult to use than.....

 We can't trust on..... because.....

AND REMEMBER:

Even though condoms are not 100 per cent safe, they do protect you against sexually transmitted diseases!!!

TO LEARN MORE.....

<http://www.avert.org/sfeel2.htm>

<http://www.educativ.info/teen/contraception.html>

<http://www.sexualityandu.ca/teens/contraception-2.aspx>

<http://www.teenwire.com/infocus/2005/if-20050308-birthcontrol.php#Section7>

<http://72.3.159.179/crc/choose-birth-control.html>

<http://www.mjbovo.com/Contracept/index.htm> THE BEST ONE !!!