

# BIOL 110 Human Reproduction Lab

## Fetal Alcohol Syndrome

*With a partner, answer the following questions:*

1. Would binge drinking once or twice a week be more likely to affect facial features during the first, second, or third trimester of pregnancy? Explain your answer.

2. If a pregnant woman drinks two glasses of wine every day during her third trimester, would that be more likely to affect development of facial features or brain function? Explain why.

3. If a nursing mother continues to drink heavily, could her drinking continue to affect the baby's growth? Facial features? Brain development? Explain your answer.

## Fetal Alcohol Syndrome Case Studies

*Imagine that you are an adoption counselor for high-risk babies. Review the four case studies provided by your lab instructor, and write a short summary citing your concerns for each of these newborns. You can use information from the “Developmental Chart” reading above and consult internet sources.*

**Adam**

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**Beatrice**

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**Carlos**

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**Danielle**

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# Sexually Transmitted Diseases

| Name of Pathogen/Disease                 | Type of Pathogen | Sketch |
|--|------------------|--------|
| <i>Candida Albicans</i> /Yeast Infection |                  |        |
| <i>Chlamydia trachomatis</i> /Chlamydia  |                  |        |
| Human immunodeficiency virus             |                  |        |
| <i>Pediculus pubis</i> /Pubic lice       |                  |        |
| <i>Treponema pallidum</i> /Syphilis      |                  |        |

# Contraception

1. Which reversible method of birth control described above is most effective against pregnancy?

2. Which reversible method of birth control described above is most effective against STDs?

3. Given that the answers to the two questions above are different, what would you suggest as being the best method of protection against BOTH pregnancy and STDs?

4. What type of lubricants should NOT be used with latex condoms, as they can cause them to tear or break?

5. LAM is a method that may be effective under what circumstances?

6. The fertility awareness method involves . . .

7. Overall, are hormonal methods or barrier methods of contraceptives more effective against pregnancy?

8. Which birth control method is 100% effective?

Finally, fill in the shaded cells to complete the table below:

| Method    | Category     | Description  | Failure Rate |
|-----------|--------------|--|--------------|
| IUD       | Intrauterine | Small device that is shaped in the form of a "T" that is placed in the uterus        |              |
| Implant   |              | Thin rod containing progestin inserted under the skin of the arm                     | 0.01%        |
| Injection | Hormonal     |  | 4.0%         |
|           | Hormonal     | Pills taken daily that contain the hormones estrogen and progestin                   | 7.0%         |
| Diaphragm | Barrier      |  | 17%          |
| Condom    |              | Latex sheath worn over a penis to prevent sperm from getting into the partner's body |              |
|           | Barrier      | Foam, gel, cream, film, suppository, or tablet that kills sperm                      |              |
|           | Emergency    | Pills that can be taken by a person with a uterus up to 5 days after sex             | N/A          |
| Vasectomy |              | Surgery performed to keep a sperm from going to the penis                            |              |
|           | N/A          |  | 0%           |