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.

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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.

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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.

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## 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

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

# Contraception

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

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

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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?

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

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

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6. The fertility awareness method involves . . .

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

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8. Which birth control method is 100% effective?

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

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| **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% |