

SOCRATIC CIRCLE TOPICS:

Please look at the correct class in order to find what topic your class (circle) is doing.

P1:

- Do you think that research on human pre- embryos should be allowed? Should fetal tissue be used to treat disease? Make sure to explain to the class what is considered a pre- embryo and when an embryo is considered a fetus.

P2:

- Do you think that research on human pre- embryos should be allowed? Should fetal tissue be used to treat disease? Make sure to explain to the class what is considered a pre- embryo and when an embryo is considered a fetus.

P5:

- Circle 1:
 - o 2) Should we ban the genetic engineering of animals? On food?
 - o 7) The Human Genome Project is attempting to unravel the mysteries of the function and location of all human genes. Conducting genetic profiles on individuals will be an expensive procedure once the Genome Project is completed. Discuss the following: Medical insurance companies have the right to learn the genetic profiles of individuals that they insure. Also include a discussion of: Employers have a right to know the genetic profiles of disorders of their employees who are in jobs in which there is a high risk to others - such as airline pilots, bus driver etc.
- Circle 2:
 - o 1) Should we intervene in the genetic makeup of our children? Should genetic screening be used to produce genetically healthy (free from genetic diseases and disorders)? What about "designer" babies?
 - o 3) Do you think that research on human pre- embryos should be allowed? Should fetal tissue be used to treat disease? Make sure to explain to the class what is considered a pre- embryo and when an embryo is considered a fetus.

P6:

- Should we intervene in the genetic makeup of our children? Should genetic screening be used to produce genetically healthy (free from genetic diseases and disorders)? What about "designer" babies?

P7:

- Should we intervene in the genetic makeup of our children? Should genetic screening be used to produce genetically healthy (free from genetic diseases and disorders)? What about "designer" babies?

Genetic Socratic Circle Topics:

- 1) Should we intervene in the genetic makeup of our children? Should genetic screening be used to produce genetically healthy (free from genetic diseases and disorders)? What about "designer" babies?
- 2) Should we ban the genetic engineering of animals? On food?
- 3) Do you think that research on human pre- embryos should be allowed? Should fetal tissue be used to treat disease? Make sure to explain to the class what is considered a pre- embryo and when an embryo is considered a fetus.
- 4) Rats have been used by scientist to develop a nasal spray gene therapy for cystic fibrosis. Mice can manufacture some human proteins in their blood. Dogs were important in developing treatments for hemophilia and bone marrow transplants would not be possible without earlier work done with dogs. Many people object to the use of mammals in experiments. Do you feel that animal models of human genetic disease are necessary. Should treatments be allowed on laboratory mammals before attempting the treatment on humans?
- 5) Government is currently involved in health care reform. Discuss the following: With limited numbers of transplants available rationing systems must be established for determining who will receive transplants: On what factors should rationing systems be based?
 - A. first come, first serve
 - B. the wealthiest
 - C. the youngest
 - D. the individuals with the highest I.Q.
 - E. those with genetic defects favored over those whose unhealthy lifestyle has produced organ failure
- 6) Take the pro and con sides for the following: Parents should be held accountable by law for their care of children with known genetic defects. Example: An infant who is tested for P.K.U. at birth and found to be positive must be provided with a phenylalanine free diet by their parent. A child of parents in a high risk group for a known genetic defect (such as sickle cell anemia) must be tested at birth and take antibiotic drugs throughout childhood to prevent infections which can be deadly to children with sickle cell anemia. Parents who do not provide for testing and treatment of their children are punishable by law.
- 7) The Human Genome Project is attempting to unravel the mysteries of the function and location of all human genes. Conducting genetic profiles on individuals will be an expensive procedure once the Genome Project is completed. Discuss the following: Medical insurance companies have the right to learn the genetic profiles of individuals that they insure. Also include a discussion of: Employers have a right to know the genetic profiles of disorders of their employees who are in jobs in which there is a high risk to others - such as airline pilots, bus driver etc.
- 8) Should researcher organizations which are identifying sequences for specific proteins involved in genetic diseases and the establishment of test kits for these diseases have the right to patent these sequences as their own for the purpose of profit?