Name:

| Name:   |            |           |                                |
|---|------------|-----------|--------------------------------|
| Situation   | Do you     | Is this   | Does your group agree on the   |
| First, read it on your own and do the first       | think this | activity  | legality of this activity? Why |
| column. (homework?)                               | activity   | currently | or why not?                    |
| Second, use 4 readings to do the second           | should be  | legal?    | _                              |
| column.   | legal?     | J         |                                |
| Third, talk with your group for the last          |            |           |                                |
| column  |            |           |                                |
| 1.) Sally has had a whole genome testing          |            |           |                                |
| done and knows she has an 80% chance of           |            |           |                                |
| getting breast cancer. Her employer is            |            |           |                                |
| cutting jobs. The <b>employer asks all</b>        |            |           |                                |
| employees to get a whole genome                   |            |           |                                |
| <b>sequence</b> done and submit the report to     |            |           |                                |
| help assist in determining who gets fired.        |            |           |                                |
| help assist in determining who gets med.          |            |           |                                |
| 2) Cally was applying for life incomes and        |            |           |                                |
| 2.) Sally was applying for life insurance and     |            |           |                                |
| the life insurance company required a             |            |           |                                |
| whole genome test be submitted. After this        |            |           |                                |
| testing, Sally discovered she has an 80%          |            |           |                                |
| chance of getting breast cancer. Based on         |            |           |                                |
| the results of the sequencing, the <b>life</b>    |            |           |                                |
| insurance company charged her \$50                |            |           |                                |
| more per month because of her high risk           |            |           |                                |
| for breast cancer. The life insurance             |            |           |                                |
| would pay out one million dollars to her          |            |           |                                |
| family at her death.                              |            |           |                                |
| 3.) Sally was applying for health insurance       |            |           |                                |
| and the health insurance company required         |            |           |                                |
| a whole genome test be submitted. After           |            |           |                                |
| this testing, Sally discovered she has an         |            |           |                                |
| 80% chance of getting breast cancer. <b>Based</b> |            |           |                                |
| on the results of the sequencing, the             |            |           |                                |
| health insurance company charged her              |            |           |                                |
| \$50 more per month because of her high           |            |           |                                |
| risk for breast cancer.                           |            |           |                                |
| Tion for broade cancer.                           |            |           |                                |
| 4.) A <b>hospital</b> is looking to hire an x-ray |            |           |                                |
| technician. As a part of the application          |            |           |                                |
| process, everyone is required to get a            |            |           |                                |
| whole genome sequencing done. The                 |            |           |                                |
| hospital says this is because they do not         |            |           |                                |
| want to hire anyone who has an increased          |            |           |                                |
| likelihood of getting cancer since they may       |            |           |                                |
| have an increased risk due to radiation           |            |           |                                |
|   |            |           |                                |
| exposure.   |            |           |                                |

| Situation First, read it on your own and do the first column. Second, use Activity 4 readings to do the second column. Third, talk with your group for the last column   | Do you<br>think this<br>activity<br>should be<br>legal? | Is this<br>activity<br>currently<br>legal? | Does your group agree on the legality of this activity? Why or why not? |
|--|---|--|---|
| 5.) Cedar Point is hiring lifeguards at their water park. As a part of the application process, everyone is required to get a whole genome sequencing done. The park says this is because they do not want to hire anyone who has an increased likelihood of acquiring skin cancer since they may have an increased risk due to regular sun exposure at the park.  |   |  |   |
| 6.) When Mr. Gensic turns 55, he plans on getting long-term care insurance because he knows he has a chance of getting Alzheimer's. To determine the cost of long-term care insurance, the long-term care insurance company requires a whole genome sequencing.  |   |  |   |
| 7.) Disability insurance covers the cost of living if you become disabled. Sally's disability insurance provider wanted everyone applying to have a whole genome sequence. Because it was discovered that Sally had an 80% chance of developing breast cancer, her disability premium was 50\$ more expensive than the average monthly cost.   |   |  |   |
| 8.) Patrick paid for his whole genome sequence. He discovered that he has no predispositions for anything harmful. He eats healthy and he exercises. Because of this, he has decided not to get health insurance, life insurance, long-term care insurance or disability insurance.  9.) Michael pays for a whole genome sequence. He finds a 90% chance of getting cancer. He races out to buy life insurance for \$1,000 a year. Michael refuses cancer treatment and dies one year later of cancer and his family collects 1 million dollars. |   |  |   |