2 *Once you obtained isolation at a particular dilution, did you continue to have isolation on subsequent dilution plates? Is this what you would expect? Why or why not?*

3 *What is the consequence of not spreading the inoculum adequately over the agar surface?*

If the inoculum doesn't adequately cover the agar surface, it won't isolate well and will be clustered.

4 *To get isolated colonies on a plate, only about 300 cells can be in the inoculum. What will happen if the cell density of the inoculum significantly exceeds this number?*

There will not be any isolated colonies

5 *Suppose you have two organisms in a mixture and Organism A is 1000 times more abundant than Organism B. Will you (without counting on good luck!) be able to isolate Organism B using the spread plate technique? Explain your answer.*

No. It would be very difficult, there are 1000x more of organism A.