**What if there was an additional mutation?**

After completing the activity on Nicholas’ Pain Crisis answer the following question.

**Q. Suppose a second mutation occurs in HbS, which changes the amino acid residue Phe85 to Glu. What effect would this have on sickling of red blood cells? Explain your answer with an illustration to support your reasoning.** (Hint: Use iCn3D to create a view of the HbS fiber formation to explain your answer).