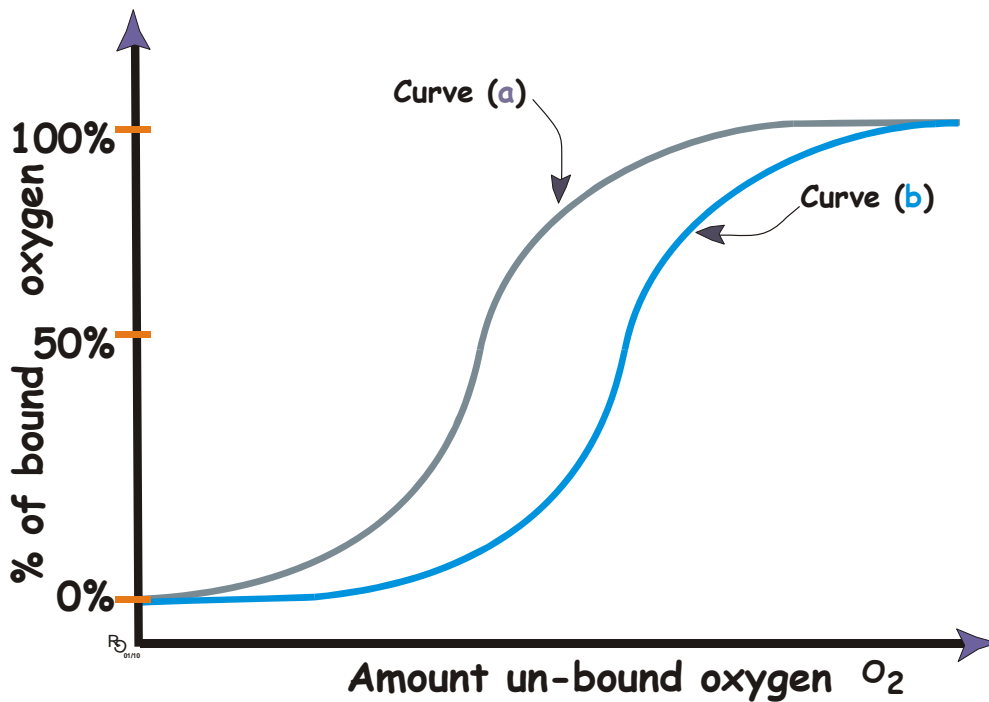


sTEem at work puzzle #5

As if last month's mix-up between the globins was not enough of an annoyance, you have just discovered results from the pre-film insurance company required stress test for these two superstars also needs to be labeled. Fortunately you did recall from your past studies or perhaps an educated guess that the moose's carbon dioxide production will have a bigger pH impact than that of the squirrel.

You have decided to indicate that curve (a) belongs to the moose. Of course the Insurance Company (Underwrite Your Animal Limited) will check these results with previous tests. Do you think UYAL will wonder about the moose's stress test performance this time?



- Hemoglobin is a protein in red blood cells
- Hemoglobin binds (has an affinity for) O_2
- Hemoglobin binds O_2 easier at higher pH.
- Higher pH (values above 7) means blood is less acid.

Curve (b) indicates the hemoglobin binding of oxygen in blood that is less acidic.

Yes No