**ACTIVITY 5B: PLOTTING POINTS ON THE “BONE MASS ACROSS A LIFE SPAN” GRAPH**

**PLOTTING POINTS ON THE “BONE MASS ACROSS A LIFE SPAN” GRAPH**

**Answer Key**

1. Dr. Tu’s patient’s point is above the fracture threshold. The patient is most likely a male.
   
   a) circle B and M (just below fracture threshold; most likely male)
   b) circle N and F (fracture threshold not a factor; most likely female)
   c) circle N and M (fracture threshold not a factor; most likely male)
   d) circle A and F (above fracture threshold; most likely female)
   e) circle B and F (below fracture threshold; probably female)
   f) circle A and F (above fracture threshold; most likely female)
   g) circle N and F (fracture threshold not a factor; most likely male)
   h) circle N and F (fracture threshold not a factor; most likely female)
   i) circle A and M (above fracture threshold; most likely male)
   j) circle N and M (fracture threshold not a factor; most likely male)
   k) circle A and M (above fracture threshold; most likely male)
   l) circle A and F (above fracture threshold; most likely female)
   m) circle N and F (fracture threshold not a factor; most likely female)
   n) circle N and F (fracture threshold not a factor; most likely female)
   o) circle A and F (above fracture threshold; most likely female)
   p) circle B and F (below fracture threshold; probably female)
   q) circle B and F (below fracture threshold; probably female)
   r) circle A and F (above fracture threshold; most likely female)
   s) circle N and F (fracture threshold not a factor; most likely female)
   t) circle A and M (above fracture threshold; most likely male)

3. Let him know that he is nearing the fracture threshold and has a bone mass that is unusually low for males. Knowing this, students may advise him to talk to Dr. Tu about calcium therapy, increasing his weight-bearing exercise, and eating more foods rich in calcium.

4. Patient “i” has a high bone mass level for a female at the age of 82, but a low bone mass level for a male. If the patient were male, he might be concerned that his bone mass level would continue to decrease and put him more at risk of fracture.
“BONE MASS ACROSS A LIFE SPAN”

AGE (years)

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