

Graphing Body Temperature Activity During the Menstrual Cycle

The following table provides information about the body temperature of a young woman on each day throughout a single menstrual cycle. Plot all of the information in the form of a line graph. (Day of menstrual cycle belongs on the X-axis). Make sure to use proper graphing techniques, label your axis, even increments, title etc. Use a ruler to connect your points.

Then answer the following questions:

- A.) What is the range of the body temperature during the 28 day menstrual cycle?
- B.) These measurements were made at the same time each day, in the same room and while the woman was wearing the same dressing gown. Why is this important?
- C.) The times of menstruation and ovulation are shown in the table. What changes in temperature coincide with these events?

Day of menstrual cycle	Body temperature (°C)
1	36.5
2	36.2
3	36.2
4	36.2
5	36.2
6	36.2
7	36.3
8	36.2
9	36.4
10	36.3
11	36.2
12	36.1
13	36.2
14	36.2
15	36.5
16	36.7
17	36.8
18	36.7
19	36.7
20	36.8
21	36.7
22	36.6
23	36.6
24	36.7
25	36.6
26	36.6
27	36.7
28	36.6

Menstruation is indicated for days 2 through 5. Ovulation is indicated for day 14.