IES Bisbe SivillaCourse 2007-2008Natural Science 1st ESOComplementary activities unit 1 - sheet 1Name and surname:Date:Group:

1.- Retrace the reference meridian or 0 of the attached drawing with a felt-tip pen or a coloured pencil:

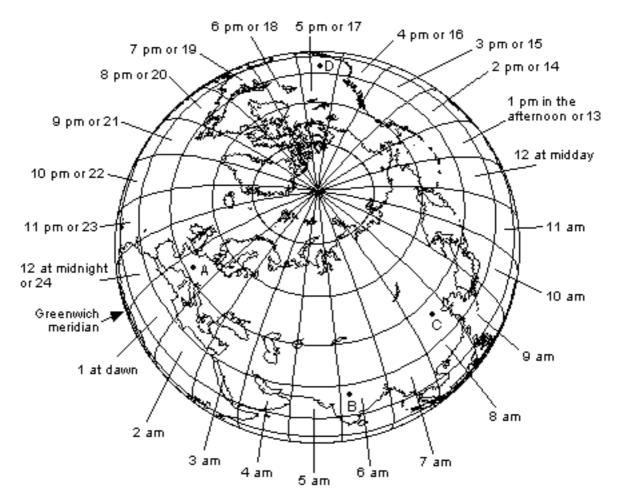


Diagram time zones

2.- Notice that there are meridians and also some parallels in the north hemisphere: 15° [*degree*], 30°, 45°, 60° and 75°N drawn in the diagram. Retrace the parallels 30°N and 60°N with a second felt-tip pen or a coloured pencil.

3.- There are four cities pointed out in the graph (diagram): Bern (A), New Delhi (B), Peking [Beijing] (C) and Las Vegas (D). If the meridians delimit the hourly zones, from the time zones graph, work out:

1) what time is it in Bern when in New Delhi they it's 15 hours (3 pm)?

2) what time is it in Peking when in Bern it's 17 hours (5 pm)?

3) what time is it in New Delhi when in Bern it's 23 hours (11 pm)?

4) what time is it in Peking when in Las Vegas it's 13 hours (1 pm)?

5) what time is it in Las Vegas when in Bern it's 9 in the morning?

6) what time is it in Las Vegas when in Bern it's 19 hours (7 pm)?

7) what time is it in Bern when in Peking it's 21 hours (9 pm)?

8) what time is it in New Delhi when in Las Vegas it's 23 hours (11 pm)?