

Fill in table 1 completely (with title). Solar time sunrise/sunset can be calculated from the difference between 'solar noon clock time' and 'solar noon solar time' (always 12.00 hours).

	21-3	21-6	21-9	21-12	birthday
wind direction sunrise					
time sunrise clock time					
time sunrise solar time					
time solar noon clock time					
time solar noon solar time	12.00	12.00	12.00	12.00	12.00
hoogte van de zon in °					
time sunset clock time					
time sunset solar time					
day length (hrs+minutes)					

Table 1:

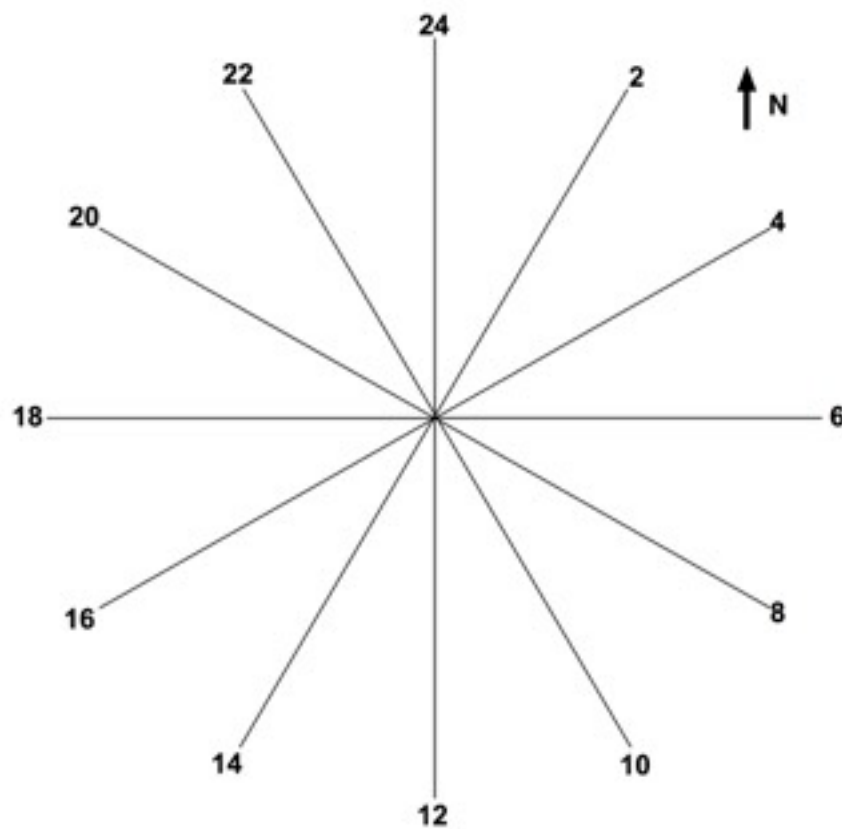


Figure 1: Compass clock: fill in (in red) 3, 6, 9 and 12 at the right time of sunset of 21st of the month. Use solar time! You can also fill in sunset times.

Write down below your conclusions and explanations of 5.1 WB

**Conclusions of 5.1:**

a. The farther away from midsummer, the \_\_\_\_\_ the day and the more to the \_\_\_\_\_ the Sun rises.

b. .

c.

**Explanations of 5.1:**

a. .

b. .

c.

Fill in in figure 2 the right seasons for North and South (four times):

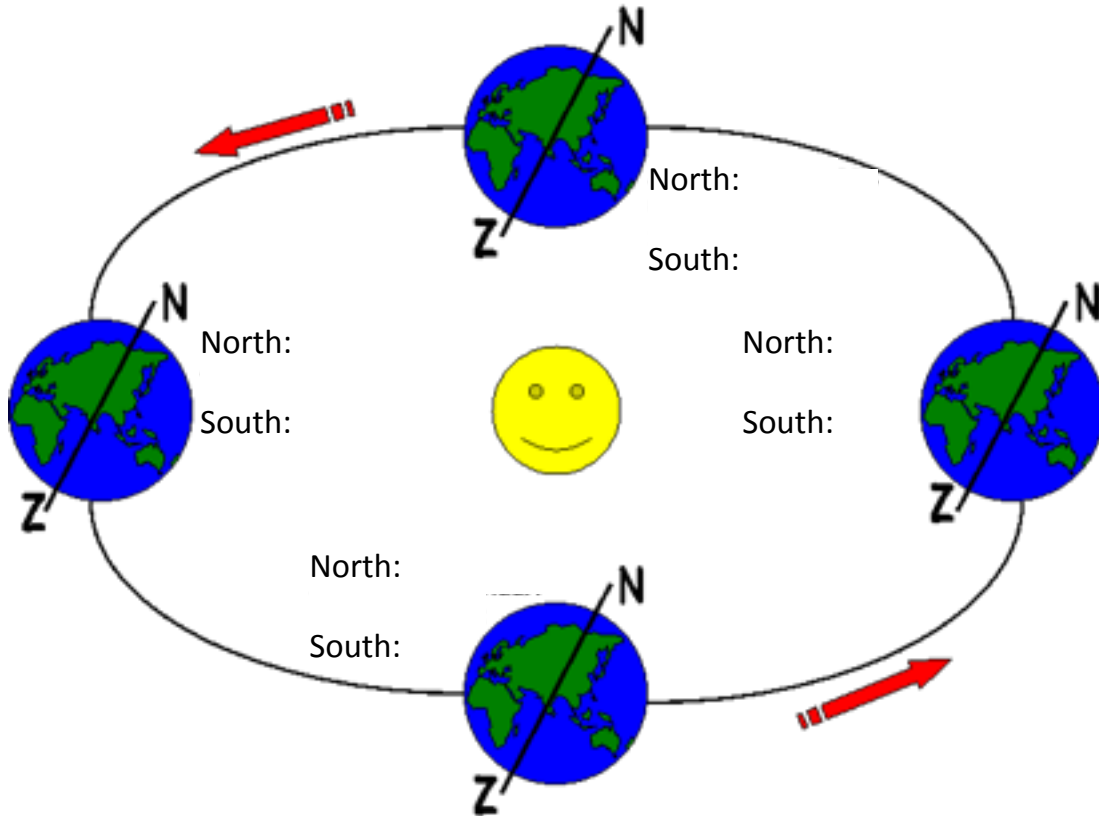


Figure 2: The four seasons on Earth



Fill in in figure 3 the Earth and all the planets:

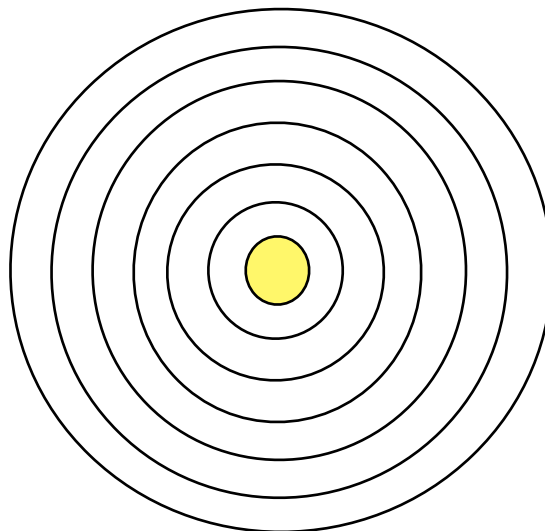


Figure 3: Our Solar system



*Write down below your conclusions and explanations of 5.2 WB*

**Conclusions of 5.1:**

a. .

b. .

**Explanations of 5.2:**

a. .

b. .

c.

d.

*You can use the flipside*

