

ANSWER KEY: SEASONS WORKSHEET 1

FRONTSIDE OF SHEET:

1. MAY – ITS NEARLY THE SUMMER SOLSTICE (JUNE 21), WHEN THE AXIS IS MOST POINTED TOWARDS THE SUN

2. C – IT'S 23.5° ABOVE THE EQUATOR, AND THE AXIS IS TILTED 23.5° TOWARDS THE SUN, SO IT WILL RECEIVE THE MOST DIRECT SUNLIGHT, AND THE GREATEST HOURS OF DAYLIGHT

3. LONGITUDE

4. INCREASE ONLY

5. DIAGRAM (1) – IT SHOWS THAT THE SUN IS MOSTLY OVERHEAD AT NOON, WHICH OCCURS WHEN A LOCATION IS THE MOST TILTED TOWARDS THE SUN, AND RECEIVES THE MOST DIRECT SUNLIGHT

BACKSIDE OF SHEET:

a)

1. arctic circle

2. tropic of cancer

3. equator

4. tropic of Capricorn

5 antarctic circle

6 axis of rotation

b) counterclockwise

c) 4 (tropic of Capricorn)

d) winter solstice

e) arctic circle (and above)

f) seasons would last twice as long. Changes in # of daylight hours for any location on earth would occur twice as slowly (north pole would have 12 months of daylight and 12 months of darkness, as opposed to 6 months and 6 months)