

【】 天体の位置の表し方

【】 天球・地軸

[天球・子午線・天頂]

[解答欄 1]

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[解答欄 2]

(1)	(2)	(3)
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[地軸]

[解答欄 3]

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[解答欄 4]

(1)	(2)	(3)
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[解答欄 5]

(1)	(2)	(3)	(4)D
E			

【】 地球上の方位・時刻

[地球上の方位]

[解答欄 6]

①	②	③	④
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[解答欄 7]

(1)A	B	(2)
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[自転の方向と時刻]

[解答欄 8]

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[解答欄 9]

(1)	(2)朝 :	夕方 :	(3)
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[解答欄 10]

(1)	(2)	(3)	(4)
(5)			

[解答欄 11]

(1)①	②	(2)	(3)
(4)	(5)		

[解答欄 12]

(1)ウ :	エ :	(2)	(3)
(4)			

[解答欄 13]

(1)	(2)	(3)	(4)
(5)	(6)		

【】 太陽の1日の動き

【】 透明半球：南中・方位など

[サインペンで太陽の位置を記録]

[解答欄 14]

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[解答欄 15]

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[解答欄 16]

(1)	(2)	(3)
(4)		

[南中・南中高度]

[解答欄 17]

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[解答欄 18]

(1)	(2)
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[解答欄 19]

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[解答欄 20]

①	②	③	④
⑤			

[透明半球上の方位]

[解答欄 21]

(1)A	B	C	D
(2)			

[解答欄 22]

(1)	(2)	(3)P	Q
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[太陽の日周運動]

[解答欄 23]

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[解答欄 24]

(1)	(2)
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[解答欄 25]

(1)	(2)①	②	③
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[解答欄 26]

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[南中・方位など全般]

[解答欄 27]

(1)	(2)南 :	西 :	(3)
(4)	(5)	(6)	(7)
(8)			

[解答欄 28]

(1)	(2)	(3)	(4)
(5)A	D	(6)	(7)①
②			

【】 透明半球：時刻の計算

[日の出・日の入りの時刻計算]

[解答欄 29]

(1)	(2)
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[解答欄 30]

(1)	(2)日の出：	日の入り：
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[解答欄 31]

(1)	(2)
(3)	

[解答欄 32]

(1)	(2)	(3)
-----	-----	-----

[解答欄 33]

(1)①	②	③	④
⑤	⑥	⑦	
(2)			
(3)	(4)	(5)	

[経度による南中時刻の違い]

[解答欄 34]

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【】 世界各地の太陽の日周運動

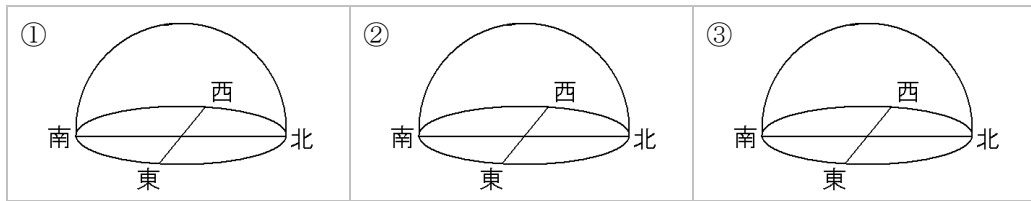
[解答欄 35]

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[解答欄 36]

①	②	③
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[解答欄 37]



【】星の1日の動き

【】天体の日周運動

[天体の日周運動とその原因]

[解答欄 38]

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[解答欄 39]

(1)	(2)
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[解答欄 40]

①	②	③	④
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[北極星]

[解答欄 41]

(1)	(2)
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[解答欄 42]

(1)	(2)
(3)	

[星の回転方向と回転角度]

[解答欄 43]

(1)	(2)
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[解答欄 44]

(1)	(2)
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[解答欄 45]

(1)	(2)	(3)	(4)
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[解答欄 46]

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[南の空の星の日周運動]

[解答欄 47]

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[解答欄 48]

(1)	(2)①	②
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[天体の日周運動全般]

[解答欄 49]

(1)	(2)	(3)	(4)
(5)			

[解答欄 50]

(1)	(2)	(3)	(4)
(5)	(6)		

[解答欄 51]

(1)	(2)	(3)	
(4)①	②	③	④
⑤	⑥		

[解答欄 52]

①	②	③	④
⑤	⑥		

【】 各方位での星の動き

[各方位での星の動き]

[解答欄 53]

A	B	C	D
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[解答欄 54]

A	B	C	D
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[解答欄 55]

①	②	③	④
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[全般]

[解答欄 56]

(1)西 :	南 :	(2)	
(3)			
(4)	(5)①	②	

[解答欄 57]

(1)A	C	(2)	(3)
(4)①	②		

[解答欄 58]

(1)	(2)B	C	(3)
(4)	(5)		

[解答欄 59]

(1)①	②	(2)	(3)
(4)			

(5)

【】 星の日周運動と天球など

[星の日周運動と天球]

[解答欄 60]

(1)	(2)	(3)
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[解答欄 61]

(1)	(2)A	B	C
D	(3)	(4)	(5)
(6)			

[解答欄 62]

(1)	(2)	(3)
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[解答欄 63]

(1)	(2)	(3)	(4)
(5)			

[世界各地の星の動き]

[解答欄 64]

①	②	③	④
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[緯度と北極星の高度]

[解答欄 65]

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[解答欄 66]

(1)	(2)
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[天動説・地動説]

[解答欄 67]

①	②	③	④
⑤			