

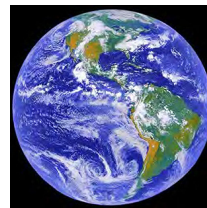
Glossary

High School Level

Physical Setting & Earth Science Glossary

English | Simplified Chinese

Translation of Physical Setting & Earth Science terms based on the Coursework for Physical Setting & Earth Science Grades 9 to 12.



This glossary is to PROVIDE PERMITTED TESTING ACCOMMODATIONS of ELL/MLL students. It should also be used for INSTRUCTION during the school year. The glossary may be downloaded, printed and disseminated to educators, parents and ELLs/MLLs.

[Please click here for the New York State Office of Bilingual Education and World Languages Webpage on "Assessment and Testing Accommodations"](#)



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PHYSICAL SETTING & EARTH SCIENCE

GLOSSARY

ENGLISH	SIMPLIFIED CHINESE
A	
abrasion	磨损, 磨蚀, 刻蚀
absolute age	绝对年龄
absolute humidity	绝对湿度
absolute zero	绝对零度
absorption	吸收
acid	酸性的, 酸性物质
acid rain	酸性雨
acid test	酸度测定
actual evapotranspiration	实际蒸腾
adiabatic temperature change	绝热温度变化
aeration	通风, 通气, 喜氧的
aerobic bacteria	喜氧菌
aerosol	烟雾
air mass	气团
air pressure	气压
alkaline	碱性的, 含碱的
alluvial fan	冲积扇
altitude	高度, 高处, 海拔
anemometer	风力表, 风速表, 风压表
anaerobic bacteria	厌氧菌
angle of insolation	太阳辐射角
annular eclipse	环蚀
aphelion	远日点
apogee	远地点
apparent daily motion	视日运动
apparent magnitude	视星
apparent planetary diameter	星球视直径
arete	刃岭, 山脊
arid	干旱的
ash	灰
atmosphere	大气层
atmospheric pressure	气压
atmospheric variables	大气变量
B	
barometer	气压表
barometric pressure	气压
barrier beach	沙洲 (海浪所造成的海滩)
basin	盆地

ENGLISH	SIMPLIFIED CHINESE
bed load	底沙
bedrock	底岩, 基岩, 底床
bench mark	测量起点
boulder	巨砾
C	
calorie	卡路里
canyon	峡谷
capillary	毛细的, 毛细管
carbon dating	碳元素测龄法
celestial object	天体
carrying power	携带搬运能力
cementation	粘固, 胶结作用
centrifugal force	离心力
chemical weathering	化学风化
chlorofluorocarbons	氯氟碳化物
cirque	园谷 (cirque glacier 冰斗)
clay	胶泥
cleavage	劈开, 分裂, 解理
climate	气候
cloud	云
cold front	冷锋
colloids	胶体
compound	化合物
compression	压缩, 收缩
compression wave	压缩波
condensation	凝结, 压缩, 液化
conduction	传导
conservation of energy	能量守恒
continental drift	大陆漂移
continental plate	大陆板块
continental climate	大陆性气候
continental shelf	大陆棚, 大陆架
continental tropical air mass	大陆热带气团
contact metamorphism	接触变质, 接触变形
conservation	守恒
convection	对流
convectonal cell	对流圈, 风带环流
convector	以对流传热之液体或仪器
converge	汇合
coordinate system	坐标系
core	地核
Coriolis effect	地转偏向力
correlation	地层对比, 对应关系, 关联
crater	环形山
crust	地壳

ENGLISH	SIMPLIFIED CHINESE
crystal	晶体
cyclic change	循环变化
cyclone	气旋, 旋风, 飓风
D	
daily motion	日运动
deficit	赤字
degree	度数
delta	三角洲
density	密度
deposit	沉积
desert	沙漠
desertification	使沙漠化
Devonian Period	泥盆纪
dew	露水
dew point temperature	露点温度
dike	岩脉
dinosaur	恐龙
direct ray	(太阳) 直射线
discharge	排放
displacements sediments	置换沉积物
distorted structure	扭曲变形结构
divergence	分离
Doppler effect	波频变动效应
drainage	流域
drumlin	冰河堆积成的冰丘, 鼓丘
dry bulb thermometer	干球温度计
duration of insolation	日照时间
dust storm	尘暴
dynamic equilibrium	动态平衡
E	
earthquake	地震
eccentricity	偏心率
electromagnetic energy	电磁能
element	元素
eclipse	蚀的
elliptical	椭圆的
energy	能
epicenter	震中
equilibrium	平衡
equinox	昼夜平分点
erosion	腐蚀, 侵蚀
escarpment	悬崖
esker	冰积蛇形丘
eutrophication	富营养化

ENGLISH	SIMPLIFIED CHINESE
evaporation	蒸发
extrusion	喷发, 喷出岩体
F	
fault	断裂, 断层
field	场
Focus (earthquake)	震源
folded strata	折皱层
fossil	化石
fracture	断裂
friction	摩擦
front	锋面
G	
geocentric model	地心说
geographic poles	地理极
geologic time scale	地质年代表
geosyncline	地向斜, 地槽, 陆沉带
glacier	冰川
graded bedding	粒序层, 粒级层
gradient	梯度, 坡度, (温度, 气压) 的升降率
gravity	重力, 地心吸力
gram	克, 公分
greenhouse effect	温室效应
groundwater	陆地水
H	
half life	半衰期
heat energy	热能
heat of fusion	溶解热, 凝结潜热
heat of vaporization	汽化热, 蒸发潜热
heliocentric model	日心说
high pressure	高压
horizontal	水平线, 地平线
horizontal sorting	水平分选
humidity	湿度, 潮湿
hydrosphere	水圈
hypothesis	假说
I	
ice	冰
igneous rock	岩浆岩, 火成岩
impermeable index fossil	不可渗透的指示化石
infiltration	渗透
inner core	内核

ENGLISH	SIMPLIFIED CHINESE
insolation	太阳辐射
interface	接触面, 交界面
intrusion	侵入(岩)
Intrusive igneous rock	侵入火成岩
ionosphere	离子层
isobar	等压线
isoline	等值线
isostasy	地壳均衡
isotherm	等温线
isotope	同位素
J	
jet stream	急流
joint	接头处
K	
kame	冰溶淤积而成的小沙丘
kettle	(冰) 锅穴
kinetic energy	动能
Kepler's Law of Motion	开普勒运动定律
L	
landscape	地形, 地貌
latent heat	潜热
latitude	纬度
latitudinal climate patterns	纬度气候型
lava	岩浆
length	长度
liter	升
lithosphere	岩石圈
local noon	当地正午
longitude	经度
low pressure (aired front)	低气压
luster	光泽
M	
magma	(地下) 熔岩, 岩浆
magnetic declination	磁偏角
mantle	地幔, 地函
marine climate	海洋性气候
maritime polar air mass	极地海洋气团
maritime tropical air mass	热带海洋气团
mass	质量
matter	物质
meander	河曲。曲流

ENGLISH	SIMPLIFIED CHINESE
mean solar day	平均太阳日
measurement	测量
meniscus	半月形液面, 新月形液面
meridian	子午线
metamorphic rock	变质岩
meter	米
mid-ocean ridge	洋中脊
milli	公毫, 千分之一
mineral	矿物
mode	模子
moisture	湿度, 水气
moho discontinuity	莫氏不连续面, 地壳, 地幔分界面
mountain	山脉
N	
natural disaster	自然灾害
natural gas	天然气
natural levees	(河流两边)天然堤
neap tide	小潮
nebula	星云
Neptune	海王星
neutral	中性的
neve	冰原, 万年雪
nitrogen	氮
non-metallic	非金属的
nonconformity	非整合(侵蚀了的火成岩被沉积岩复盖)
nonrenewable	不可更新的
non-sedimentary rock	非沉积岩
normal fault	正断层
North Star	北极星
O	
observation	观察
occluded front	囚锢锋
ocean floor spreading	海底扩张
orbit	轨道
orbital speed	轨道速度
organic	有机的
original horizontality	原生水平性
outcrop	岩石露头
outer core	外核
oxidation	氧化
P	
parallel	平行
perihelion	近日点

ENGLISH	SIMPLIFIED CHINESE
period	年代, 期间
permeability	渗透度, 渗透性
phase	阶段, 状态, 相
plain	平原
planetary winds	行星风系
plateau	高原
plate tectonic theory	板块学说
polar	极地的
Polaris	北极星
pollutants	污染物
porosity	污染
potential energy	势能, 位能
precipitation	降水 (雨) (量)
pressure gradient	气压梯度
primary waves	初波, 横波
prime meridian	本初子午线
R	
radiation	辐射
radioactive balance	辐射平衡
radioactive dating	放射性定龄法
radioactive decay	放射性衰变
radio telescope	无线电望远镜, 射电望远镜
reargue	再辩论, 重新辩论
reflection	反射
refraction	折射
refracting telescope	折射望远镜
regolith	表土
relative age	相对年龄
relative humidity	相对湿度
residual sediment	遗留沉积物
resource	资源
revolution	公转
rock	岩石
rock cycle	岩石循环
rock formation	成岩作用
rock resistance	岩石耐力
rotation	自转
runoff	地表
S	
salinity	含盐量
saturation	饱和
scalar field	标量场
season	季节
secondary waves	地震次级波, 纵波

ENGLISH	SIMPLIFIED CHINESE
sediments	沉积物
sedimentary rocks	沉积岩
seismic waves	地震波
senses	感觉
silicon-oxygen tetrahedron	矽氧四面体
sink (energy)	能量受体
seismograph	地震波曲线图
slope	坡
soil horizon	土壤化育层
soil profile	土壤剖面
soil storage	土壤蓄水量
solar noon	太阳正午
solar system	太阳系
solid	固体
solidification	凝固
solstices	(冬或夏) 至点
sorting of sediments	分选沉积物
source (energy)	能源
source (region)	发源地
specific heat	比热
species	物种, 种类
stationary front	静止锋
strata	岩层
streak	条痕
stream bed	河床
stream discharge	河流流量
subsidence	下沉
sundial	日晷仪
sublimation	升华
superposition	依次沉积
surplus	剩余
suspension	悬浮
syncline	向斜
T	
technology	技术
tectonics	构成
temperature	温度
terrestrial motions	地球运动
texture	结构
tilted strata	倾斜的岩层
time	时代, 时间
topographic map	地形图
track	轨道, 痕迹
transformation	转换
transition	过渡

ENGLISH	SIMPLIFIED CHINESE
transpiration	蒸腾, 叶面蒸发
transport	输移, 搬运
transporting system	流送系统
transverse wave	横波, 垂直波
U	
ultraviolet light	紫外线
uplifting force	抬升力
uranium	铀
usage	使用, 用途
V	
valley glacier	山谷冰川
vapor	蒸汽
vapor pressure	蒸汽压
variable	变量, 可变物, 变化的, 可变的
vector field	矢量场
vein	(岩)脉
vertical	竖直
visible light spectrum	可见光谱
visibility	能见度
volcano	火山
volcanic ash	火山灰
volume	体积
W	
waning	(月)亏, 减弱
warm front	暖锋
water budget	水平衡
water cycle	水循环
water purification	水净化
water shed	分水岭
water table	地下水面
water vapor	水蒸汽
wavelength	波长
waxing	上蜡
weather prediction	天气预报, 气象预报
weathering	风化
weight	重量
wind	风
Y	
year	年