

# VOCABULARY MAGIC LIST OF TERMS — INTEGRATED SCIENCE

## EARTH & SPACE

**Card sort # 1**  
weather  
climate  
atmosphere  
air mass  
precipitation  
global conveyor belt  
convection current  
front  
jet stream

**Card sort # 2**  
air pressure  
surface current  
specific heat  
high pressure  
low pressure  
hurricane  
El Nino  
cold front  
warm front

**Card sort # 3**  
seasons  
winter  
spring  
summer  
autumn  
tilt  
indirect sunlight  
revolution  
rotation

**Card sort # 4**  
elliptical  
counter clockwise  
hemisphere  
equator  
direct sunlight  
solstice  
equinox  
eclipse  
cycle

**Card sort # 5**  
phases of the moon  
waxing  
waning  
full moon  
gibbous  
first quarter  
new moon  
crescent  
third quarter

**Card sort # 6**  
gravitational  
attraction  
lunar eclipse  
solar eclipse  
tides  
high tide  
low tide  
neap tide  
spring tide  
tidal bulge

**Card sort # 7**  
Big Bang Theory  
nebula  
star  
H-R diagram  
magnitude  
galaxy  
spiral galaxy  
elliptical galaxy  
irregular galaxy

**Card sort # 8**  
white dwarf star  
main sequence star  
red giant star  
constellation  
luminosity  
black hole  
light year  
satellite  
telescope

**Card sort # 9**  
wave  
electromagnetic  
waves  
infrared  
wave properties  
frequency  
visible light  
radio waves  
microwaves  
ultraviolet

**Card sort # 10**  
inner core  
outer core  
mantle  
oceanic crust  
continental crust  
mountain range  
ring of fire  
fault  
sea floor spreading

**Card sort # 11**  
continental drift  
plate tectonic theory  
lithosphere  
asthenosphere  
convection  
subduction zone  
divergent boundary  
convergent boundary  
transform boundary

**Card sort # 12**  
topographic map  
satellite image  
groundwater  
surface water  
runoff  
watershed  
weathering  
erosion  
Deposition

## MATTER & ENERGY

**Card sort # 1**  
element  
compound  
chemical symbol  
chemical formula  
chemical change  
physical change  
property  
physical property  
chemical property

**Card sort # 2**  
metals  
nonmetals  
metalloids  
boiling point  
malleable  
ductile  
luster  
mass  
magnetism

**Card sort # 3**  
buoyancy  
solubility  
density  
volume  
insulator  
conductor  
melting point  
oxidation  
mixture

**Card sort # 4**  
chemical equation  
reactant  
product  
yield  
subscript  
coefficient  
balanced equation  
organic compound  
inorganic compound

**Card sort # 5**  
atom  
proton  
neutron  
electron  
subatomic particle  
atomic mass  
nucleus  
electron cloud  
atomic theory

**Card sort # 6**  
atomic number  
reactivity  
valance electron  
chemical bond  
periodic table  
group  
period  
identity  
periodic law

**Card sort # 7**  
decomposer  
producer  
consumer  
food web  
food chain  
energy pyramid  
predator  
prey  
calorie

**Card sort # 8**  
digestive system  
mouth  
enzyme  
stomach  
accessory organs  
small intestine  
large intestine  
chemical digestion  
mechanical digestion

## FORCE, MOTION & ENERGY

**Card sort # 1**  
force  
work  
geotropism  
turgor pressure  
vacuole  
formula for work  
newton  
joule  
incline plane

**Cards sort # 2**  
motion  
frame of reference  
constant speed  
speed  
friction  
inertia  
net force  
balanced force  
unbalanced force

**Cards sort # 3**  
velocity  
acceleration  
average speed  
air resistance  
gravity  
weight  
Newton's 1st Law  
Newton's 2nd Law  
Newton's 3rd Law

**Card sort # 4**  
energy  
potential energy  
kinetic energy  
mechanical energy  
electromagnetic energy  
chemical energy  
hydroelectric energy  
nuclear energy  
energy transformation

## ORGANISMS & ENVIRONMENTS

**Card sort # 1**  
cells  
unicellular  
multi-cellular  
prokaryote  
eukaryote  
plant cell  
animal cell  
cell theory  
Robert Hooke

**Card sort # 2**  
organelle  
cell membrane  
cytoplasm  
nucleus  
mitochondrion  
chloroplast  
cell wall  
vacuole  
homeostasis

**Card sort # 3**  
DNA  
gene  
chromosome  
cell  
nucleus  
code  
trait  
section  
offspring

**Card sort # 4**  
heredity  
asexual reproduction  
sexual reproduction  
dominant trait  
recessive trait  
allele  
phenotype  
genotype  
mutation

**Card sort # 5**  
Gregor Mendel  
hybrid (heterozygous)  
purebred (homozygous)  
gametes  
incomplete dominance  
genetic engineering  
punnett square  
meiosis  
mitosis

**Card sort # 6**  
ecology  
biotic  
abiotic  
ecosystem  
species  
community  
population  
habitat  
niche

**Card sort # 7**  
carnivore  
omnivore  
herbivore  
primary consumer  
secondary consumer  
tertiary consumer  
parasitism  
symbiosis  
limiting factors

**Card sort # 8**  
pioneer species  
primary succession  
secondary succession  
sustainable  
gradual  
climax community  
microhabitat  
environmental disturbance  
stable

**Card sort # 9**  
biosphere  
biome  
deforestation  
renewable resources  
non-renewable resources  
inexhaustible resources  
extinct  
conservation  
greenhouse effect

**Card sort # 10**  
natural selection  
adaptation  
camouflage  
biodiversity  
hibernation  
migration  
inherited traits  
learned behaviors  
mimicry

**Card sort # 11**  
autotrophic  
heterotrophic  
dichotomous key  
animalia  
eubacteria  
protists  
archaeobacteria  
fungi  
plantae

**Card sort # 12**  
tissue  
organ  
organ system  
function  
structure  
cellular respiration  
spontaneous generation  
internal stimulus  
external stimulus

**Card sort # 13**  
circulatory system  
excretory system  
skeletal-muscular system  
digestive system  
reproductive system  
respiratory system  
nervous system  
integumentary system  
endocrine system