

# EARTH SYSTEMS CAUSE-EFFECT CARDS



Cut out the cards. Match each cause card with its effect card.

**CAUSE**



**Increased  
greenhouse  
gas emissions**  
(atmosphere)

**EFFECT**



**Rising global  
temperatures**  
(atmosphere)

**CAUSE**



**Heavy  
rainfall over  
steep slopes**  
(hydrosphere/  
geosphere)

**EFFECT**



**Soil erosion  
and landslides**  
(geosphere)

**CAUSE**



**Stronger  
wave energy  
(storms)**  
(hydrosphere)

**EFFECT**



**Coastal  
erosion and  
cliff retreat**  
(geosphere)

**CAUSE**



**Prolonged  
drought and  
high  
temperatures**  
(atmosphere/  
biosphere)

**EFFECT**



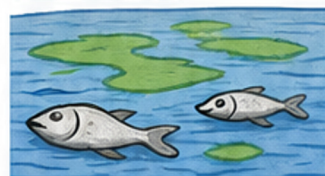
**Vegetation  
loss and  
habitat decline**  
(biosphere)

**CAUSE**



**Excess nutrient  
(fertiliser)  
runoff into  
waterways**  
(biosphere/  
hydrosphere)

**EFFECT**



**Algal blooms  
and low  
oxygen levels**  
(hydrosphere)

Think about how the Earth's systems are connected. One change can cause many effects.