SPREAD	SPREAD
A floating dock from Japan dislodged by a	An invasive species enters the United States.
Tsunami(tidal wave) washes ashore in	Once established, its removal is not successful.
Newport, Oregon, bringing with it 20 new	GO BACK 3 SPACES
species, some likely to be very invasive. Is this	
natural or caused by people?	No invasive that has become established in
(THROW THE DICE-ODD # GO BACK 3 SPACES	the U.S. has ever been successfully
EVEN # GO FORWARD 3 SPACES)	eradicated.
SPREAD	SPREAD
Invasives and beneficial plants move from one	The French may be great cooks, but American
country to another. Just think what we can do	plants changed the way Europe eats (vanilla,
between planets!	Corn, pumpkins, tobacco, potatoes,
	chocolate)
GO TO QUARANTINE	MOVE FORWARD 4 SPACES
SPREAD	SPREAD
North Americas native inhabitants called	Your pet cat loves (to eat) birds.
dandelions "White Man's Footsteps."	Pets often become invasive.
Wherever Europeans went, there were	
dandelions. Luckily, as with most foreign	Be careful.
plants, there was no great harm	
	MOVE BACK 3 SPACES
ROLL THE DICE AGAIN	
SPREAD	SPREAD
300 species have been exchanged between	Visiting plants and creatures feel at home in
the Indian Ocean and the Mediterranean since	your neighborhood.
1869. The latest is the Indo-Pacific shrimp.	New York City gets visited by over 5000
If you like to eat that shrimp, IT'S GOOD . If	container ships, oil tankers and cruise ships
you like other shrimp, IT'S TOO BAD!	each year, and is at the same latitude as many
	European ports. GO BACK 3 SPACES
SKIP A TURN	
SPREAD	SPREAD
The chance (probability) for an invasive	An invasive species arrives undetected at the
introduction is tiny for a single voyage or	airport . A favorite place after pet stores and
airplane, but do this 100's of times each day	landscape plants
and	
GO BACK 8 SPACES	EVEN DICE, GO FORWARD THAT NUMBER. ODD DICE, GO BACKWARD THAT NUMBER.
GU DAUN O JFALEJ	

SPREAD	SPREAD
You have a hitchhiker in your car. Invasives love to follow people along major roads and	Ready for new worlds. Bacteria become stronger in outer space.
railroads. GO BACK 4 SPACES TO GET RID OF IT!	ROLL DICE. GO BACK TWICE THE NUMBER
SPREAD	SPREAD
You might be an invasive. People invaded America, killing wolves, cougars, coyotes and a lot of other creatures. Now deer are everywhere.	The African Giant Snail shows up again! This snail arrived in the Miami Airport in the 1960's with nematodes and the threat of Meningitis. It was eradicated, but it keeps showing up again and again. GO FORWARD 3 SPACES,THEN BACK 3 .
SKIP A TURN	GOTORWARD S STACLS, MEN BACK S .
SPREAD	SPREAD
GO FISH! You knock over your bait bucket and the fish and worms escape. Another new invasion begins.	What looks harmless, may not be Some of the plants and creatures sneaking in today will go unnoticed for a long time. Then suddenly spread quickly. They take time to get comfortable (adapt) in their new home. ROLL THE DICE. SKIP A TURN IF YOU
ROLL THE DICE, GO BACK THAT # OF SPACES.	THROW AN EVEN #.
SPREAD	SPREAD
They didn't treat the wood crates and packaging used to bring over your last laptop/cell phone from China - and they were full of bugs!	Trading creatures. American muskrats to Europe, European nutrias to America. Wetlands are destroyed on both continents.
	wetlands are destroyed on both continents.
GO BACK TO THE PREVIOUS CONTINENT OR QUARANTINE)	GO BACK 3 SPACES
SPREAD	SPREAD
There's a virus among us. A mosquito with a virus hitches a ride from far away, bites you, makes you sick, and you carry the virus until you pass it on.	A cute 'Italian wall lizard' arrives at an airport near you. Soon people find them scurrying around their homes. It doesn't hurt anyone.
PICK ANOTHER "SPREAD CARD" AND	A few years later, native lizards start to disappear
FOLLOW IT.	GO BACK 3 SPACES

SPREAD

The smoking gun. Follow trade and travel patterns and you'll find the largest concentrations of invasives in the country. (Shipping lanes, ports, airports, highways, railroads, tourist destinations, high income areas)

MISS A TURN. STAY PUT.

SPREAD

Probes cannot be sent to the wet zones of Mars. They are most likely to harbor life forms. We would contaminate the area with earth life.

Cleaning up the probes entirely is impossible and very expensive. **SKIP A TURN.**

SPREAD

Ballast systems are not required for all overseas ships on the Great Lakes until 2021. Cost of introduced invasives has been 1.5 billion dollars over 25 years.

ROLL DICE. EVEN # SKIP A TURN. ODD # GO BACK THAT NUMBER OF SPACES.

SPREAD

Gorse, a spiny shrub native to Ireland has spread all over the world. Does this matter? Why is this a problem? **Think about it.**



SKIP A TURN!

SPREAD

Matching climates. You realize trade between similar climate zones is more likely to spread invasives.

MOVE AHEAD 5 SPACES

SPREAD

The SUEZ Canal in Eqypt has created a path for fish from the Red Sea to the Mediterranean Sea. The Mediterranean fish are being replaced. Large projects cause unintended changes. Good or

bad? ROLL DICE. ODD GO BACK 3 SPACES. EVEN GO FORWARD 3 SPACES.

SPREAD

Xyllela fungus was killing grape vines in California in 1892. It's in many of our North American trees. Now it's killing Olive trees in Italy and spreading north to France. What's the connection?

Small world. Disease spread is now a worldwide

problem.

GO BACK 4 SPACES

SPREAD

The Emerald Ash Borer (EAB) is killing the ash trees in America and is now spreading in Europe. But the beetle can also kill their close relative – Olive trees of California and the Mediterranean. Can it be stopped? No more olive oil? **ROLL DICE-ODD BACK 3 SPACES, EVEN FORWARD 3**

SPACES.