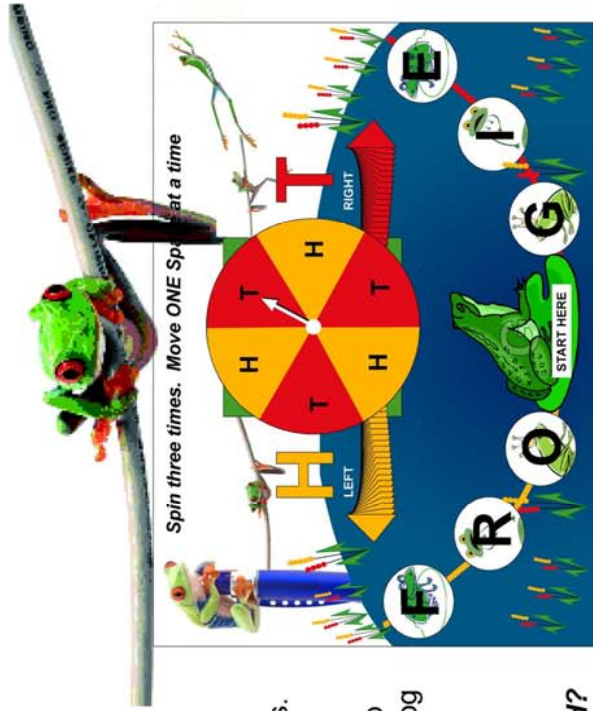


Play the Froggie Game

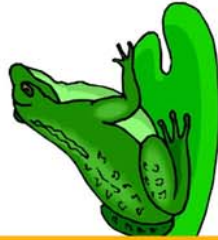
Instructions



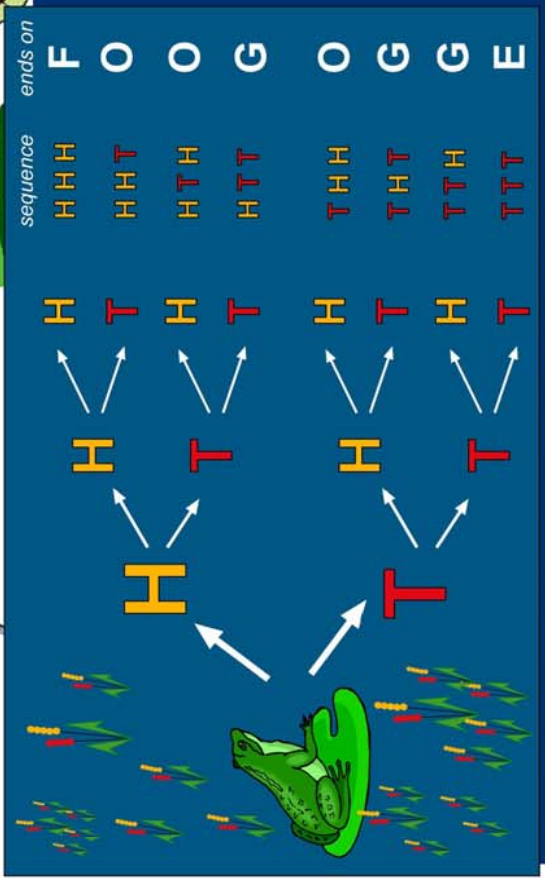
1. Place the frog on the centre lilypad.
2. Spin to see on which letter the arrow points.
3. Is the letter an "H" or a "T"?
4. If the letter is "H", move the frog one pad to the left. If the letter is "T", then move the frog one pad to the right.
5. Spin another 2 times and move the frog accordingly.

Can Froggie end up on the "R" or "I" lilypad?

NO!



Explanation



Lets list all the possible sequences obtained after playing the game in the following diagram:



The tree diagram shows us that there is a greater probability of ending up on the "O" or "G" lilypads than ending on the "F" or "E" lilypads.

The probabilities associated with each final destination is given in the following table.

F	R	O	-	G	I	E
$\frac{1}{8}$	0	$\frac{3}{8}$	-	$\frac{3}{8}$	0	$\frac{1}{8}$

