Name: Date:
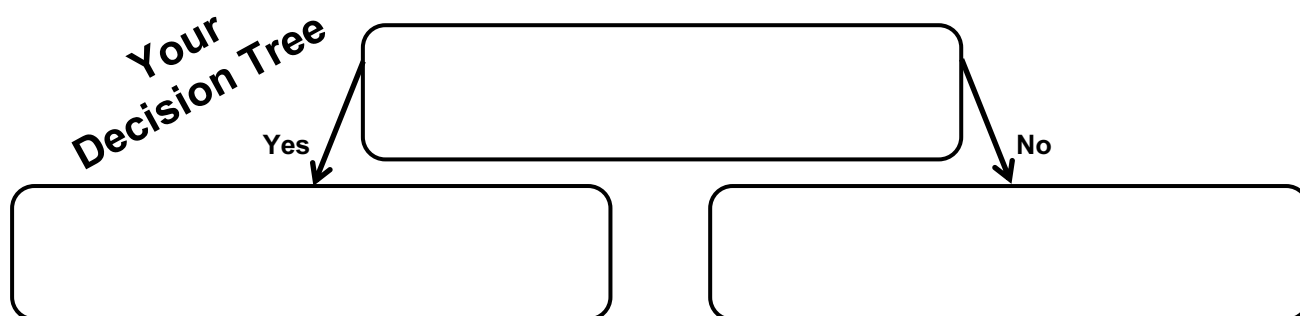
Make Your Own Decision Tree

Directions:

1. Use the **training data** and blank decision tree provided below to create your own classification tree to help separate the NFL players from the USMNT players.
2. Start at the top of the decision tree and write **yes/no questions** in each of the **nodes**/boxes.
3. Continue to draw additional nodes/boxes to either write more questions or to classify a player.
4. Once you have completed your tree, sort the 6 players from the **test data** (on page 2) using your classifications and record them in the data table. Afterwards, your teacher will reveal who each player actually is, and you can determine how many you classified correctly.

Training Data

Team	Player	Height (inches)	Weight (pounds)	Age	League
Atlanta	Desmond Ridder	75	211	23	NFL
Carolina	Sam Darnold	75	225	25	NFL
Cincinnati	Matt Miazga	76	183	28	USMNT
Cleveland	Deshaun Watson	74	220	27	NFL
Columbus	Aidan Morris	69	159	22	USMNT
Detroit	Jared Goff	76	222	28	NFL
Los Angeles	Jalen Neal	73	163	20	USMNT
Los Angeles	Baker Mayfield	73	215	27	NFL
Miami	Julian Gressel	73	207	30	USMNT
Minnesota	Kirk Cousins	75	202	34	NFL
New Orleans	Andy Dalton	74	220	35	NFL
San Francisco	Brock Purdy	73	212	23	NFL
San Jose	Cade Cowell	72	172	20	USMNT
Seattle	Geno Smith	75	221	32	NFL
Westerlo	Bryan Reynolds	73	170	22	USMNT

Your Decision Tree

Yes   No

Make Your Own Decision Tree

Test Data

Team	Player	Height (inches)	Weight (pounds)	Age	League	Correct?
Baltimore	Player 1	74	212	26		
Buffalo	Player 2	77	237	26		
Cincinnati	Player 3	74	196	25		
Eupen	Player 4	76	192	19		
New York	Player 5	67	132	21		