NAME: _____ DATE: _____

Bio I

Ecological Relationships

Directions: (Read the directions first!!)

1. First make a prediction about the relationships between the species in the following table.
2. Go to my website (www.mrdimmer.com) click on Unit 1, under Part 2 click on the link Symbiotic Relationships (video lesson).
3. Watching the 5 video clips that capture ecological relationships between ocean species and jot down the actual ecological relationship in the following table.
4. Also answer the questions while watching the video clips.

Interacting Species Pair	***Prediction*** **Ecological Relationship** (predation, competition, commensalism,	***Actual*** **Ecological Relationship** (name and describe)
Clip 1: **Tiger Shark/ Loggerhead Turtle**		
Clip 2: **Shark/Jack**		
Clip 2: **Shark/Mackerel**		
Clip 2: **Shark/Shark Suckerfish**		
Clip 2: **Hammerhead Shark/Barberfish**		
Clip 3: **Shark/Fishermen**		

Clip 1: Shark and Turtle 2:42

1. How does the turtle protect itself?

2. What relationship is held between the tiger shark and the loggerhead turtle?

Clip 2: Unlikely Travel Companions 2:05

1. List three ways in which being near a shark might be beneficial to a fish.

2. What is one way that a shark might benefit from a fish (other than as prey)?

3. Classify each shark-fish relationship shown in this clip as commensalism, mutualism, or parasitism.

Clip 3: Sharks and Fishermen 1:11

1. How have sharks become trained to follow fishermen?

2. Describe how the following species pairs interact in the clip: fishermen/fish; sharks/fish; sharks/fishermen.

Clip 4: Collapse of Sharks 3:05

1. Why are shark populations in danger of collapse?

2. How has the relationship between sharks and humans changed over time?

3. What might happen if the shark fin trade continues unchecked?

Clip 5: Sharks in our Future 1:41

1. Describe the type of tourism seen in this clip.

2. What benefit do these businesses provide to: sharks? To local populations? To tourists?

3. How might these businesses help prevent the collapse of shark populations?