

| Name: | Class: |
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#### **GRADES 6-8**

#### **Elaborate**

1. The paddle design in the 14th century resembles the racket we use today. What were the strengths of this design? What were the weaknesses of this design?

2. What changes were made to the tennis ball over time?

3. What do you believe was Wingfield's most significant contribution to the game of tennis?

4. Why is the introduction of graphite considered one of the biggest breakthroughs in the equipment of tennis?

5. What do you think will be the next big change to the game of tennis?



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### **Elaborate**

Complete the timeline below of the evolution of the tennis racket and ball.

| 1000 | 1300 | 1500 | 1700 | 1900 |
|------|------|------|------|------|
| 1200 | 1400 | 1600 | 1800 | 2000 |



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### **Evaluate**

Describe how each ball would behave using some of or all of the options provided. Think about the distances and bounce-ability of each racket and ball type.

| Options                  | Tennis Ball | Golf Ball | Softball | Baseball |
|--------------------------|-------------|-----------|----------|----------|
| Tennis Racket            |             |           |          |          |
| Bottom of Your<br>Shoe   |             |           |          |          |
| Ping Pong Paddle         |             |           |          |          |
| Baseball/Softball<br>Bat |             |           |          |          |
| Badminton<br>Racket      |             |           |          |          |



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### **Evaluate**

Using the data collected from your table in *Evaluate*, create a list of pros and cons for the different combinations used.

| Pros for using different rackets/balls as a tennis racket. | Cons for using different rackets/balls as a tennis racket. |
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