

## Percent Weight Change of Unpainted and Painted Samples

| Unpainted Sample Weight | Percent Weight Change (Unpainted) | Painted Sample Weight | Percent Weight Change (Painted) |
|-------------------------|-----------------------------------|-----------------------|---------------------------------|
| U1                      | 24                                | P1                    | 12                              |
| U2                      | 27                                | P2                    | 8                               |
| U3                      | 27                                | P3                    | 6                               |
| U4                      | 22                                | P4                    | 9                               |
| U5                      | 29                                | P5                    | 9                               |
| U6                      | 28                                | P6                    | 7                               |
| U7                      | 33                                | P7                    | 12                              |
| U8                      | 24                                | P8                    | 7                               |
| U9                      | 29                                | P9                    | 7                               |
| U10                     | 27                                | 10                    | 9                               |

- 1) Using the table above, create a dot plot of the percent change for the painted and unpainted samples. Make sure to include a title and key.

---

- 2) Using complete sentences make inferences comparing the two data sets based on your dot plots. Relate your conclusions to the data from class.

---

---

---

---

---

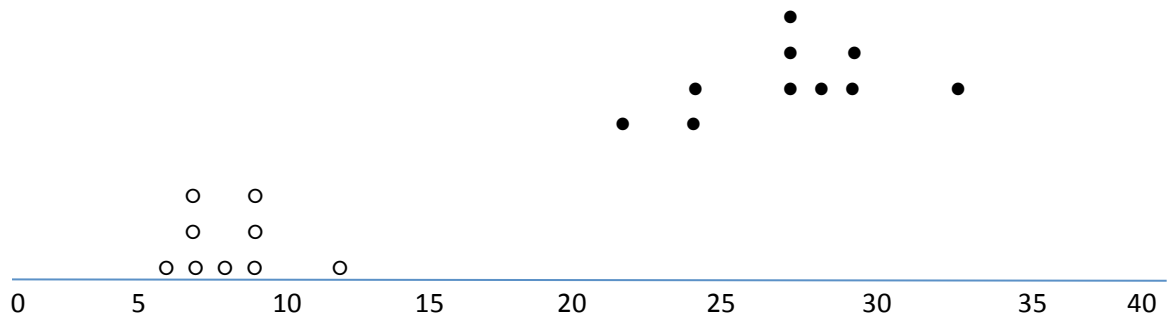
---

---

---

Answer key:

1) Painted Weight Versus Unpainted Weight



Key: ○ = painted samples

● = unpainted samples

2) Answers may vary but should include a statement about the painted samples weighing less than the unpainted samples. The water absorption is less when wood has a water resistant coating.