Doing Forensics with Paper Chromatography:

Answer Key

1. Brown contains blue, brown and yellow. It is not pure.

2. Black contains color streaks. Black isn’t pure, but more of an absence of color.

3. Purple contains blue and red. It is not pure.

4. Orange contains red and yellow. It is not pure.

5. Black color does not move, because it is the absence of color. Without any color, there are no streaks.

6. A very dark dot allows the sample to be more defined. The dot would also allow the streak to be longer, showing the whole color gradient to the experimenter.