

## Development Before Birth

**Directions:** Review the fetal development changes that occur during pregnancy.

Month	Size/Weight	Physical Characteristics
<b>1</b> <b>Week 1 - 4</b>	.25 inches long	<ul style="list-style-type: none"> <li>▪ Fertilized egg attaches to wall of the uterus</li> <li>▪ Placenta develops</li> </ul>
<b>2</b> <b>Week 5 - 8</b>	1 inch long 1/30 of an ounce	<ul style="list-style-type: none"> <li>▪ Brain and spinal cord are forming</li> <li>▪ Heart begins to develop and beat</li> <li>▪ Lungs and digestive system begin to develop</li> <li>▪ Facial features begin to form</li> </ul>
<b>3</b> <b>Week 9 - 12</b>	4 inches long 1 ounce	<ul style="list-style-type: none"> <li>▪ Reproductive organs are forming</li> <li>▪ Arms, legs, hands, feet, fingers, and toes are fully developed</li> </ul>
<b>4</b> <b>Week 13 - 16</b>	6 inches long 4 ounces	<ul style="list-style-type: none"> <li>▪ Fetus is covered in small hairs to provide warmth</li> <li>▪ Fingerprints develop</li> <li>▪ Blood vessels are forming</li> <li>▪ Fetus may suck thumb, make fists, and make facial expressions</li> </ul>
<b>5</b> <b>Week 17 - 20</b>	10 inches long 8 ounces - 1 pound	<ul style="list-style-type: none"> <li>▪ Hair, eyebrows, and eyelashes grow</li> <li>▪ Fetus can hear and respond to sound</li> <li>▪ Fetal movement can be felt</li> <li>▪ Body systems are beginning to function</li> <li>▪ Gender can be determined</li> </ul>
<b>6</b> <b>Week 21 - 24</b>	12 inches long 2 pounds	<ul style="list-style-type: none"> <li>▪ Skin is red and wrinkled</li> <li>▪ Small teeth are popping up inside the gums</li> <li>▪ Body is producing more red blood cells</li> <li>▪ Fingernails are present</li> <li>▪ Brain is making connections needed to think</li> </ul>
<b>7</b> <b>Week 25 - 28</b>	14 inches long 2 - 4 pounds	<ul style="list-style-type: none"> <li>▪ Hearing is fully developed</li> <li>▪ Organs are still maturing</li> <li>▪ Fetus can blink, cough, hiccup, and dream</li> </ul>
<b>8</b> <b>Week 29 - 32</b>	18 inches long 5 pounds	<ul style="list-style-type: none"> <li>▪ Fetus is growing rapidly</li> <li>▪ Fetus is more aware of sound, light, and touch</li> <li>▪ Brain is developing rapidly</li> </ul>
<b>9</b> <b>Week 33 - 36</b>	17 - 19 inches long 5 ½ - 6 ½ pounds	<ul style="list-style-type: none"> <li>▪ Fetus can blink, close their eyes, turn head, and grasp</li> <li>▪ Bones begin to harden</li> <li>▪ Most major organs can work on their own</li> </ul>
<b>10</b> <b>Week 37 - 40</b>	20 inches long 7 pounds	<ul style="list-style-type: none"> <li>▪ Fetus is just about full-sized</li> <li>▪ Fetus changes position for birth</li> <li>▪ Immune system is getting more active</li> <li>▪ Brain has started to control the body</li> <li>▪ Reflexes are active</li> </ul>