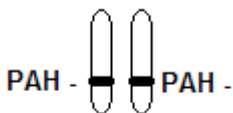
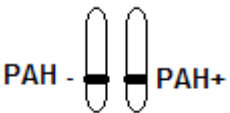



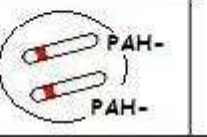
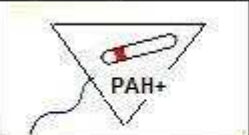
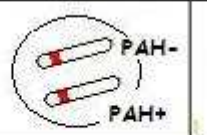
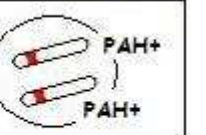
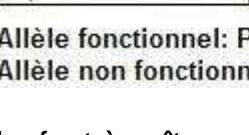
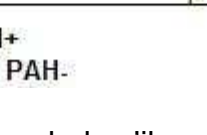




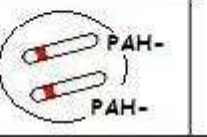
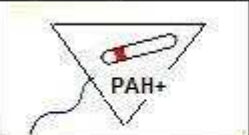
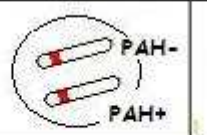
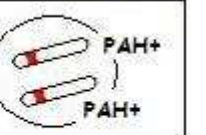
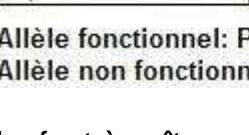
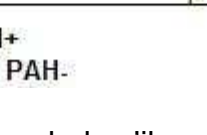




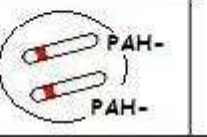
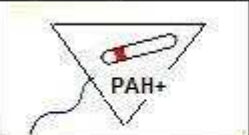
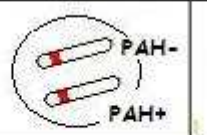
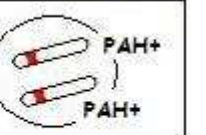
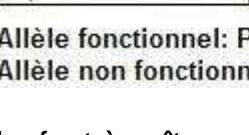
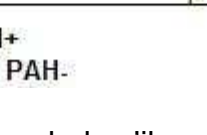



Eléments de correction

Orthographe et présentation

2 points

Partie 1 : Diversité et unité des êtres humains (7 points)

Propositions de réponse		Barème												
<p>Question 1 :</p> <p><u>Individu 4 :</u>  PAH - PAH -</p> <p><u>Individus 1 et 2 (parents) :</u>  PAH - PAH+</p>		2 points												
<p>Question 2 :</p> <table border="1"><tr><td style="text-align: center;">ovule</td><td></td><td></td></tr><tr><td style="text-align: center;">spermatozoïde</td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table> <p>Allèle fonctionnel: PAH+</p> <p>Allèle non fonctionnel: PAH-</p> <p>L'enfant à naître sera malade s'il possède deux allèles PAH – donc ce couple a un risque sur quatre que son enfant soit malade.</p>		ovule			spermatozoïde									5 points a) : 2 pts b) : 2 pts c) : 1 pt
ovule														
spermatozoïde														
														
														

Partie 2 : Evolution des organismes vivants et histoire de la Terre (5 points)

Propositions de réponse	Barème
<p>Question 1 :</p> <p>Les innovations évolutives sont les mamelles et les poils pour les mammifères, et quatre membres munis de doigts pour les tétrapodes.</p>	2 points

