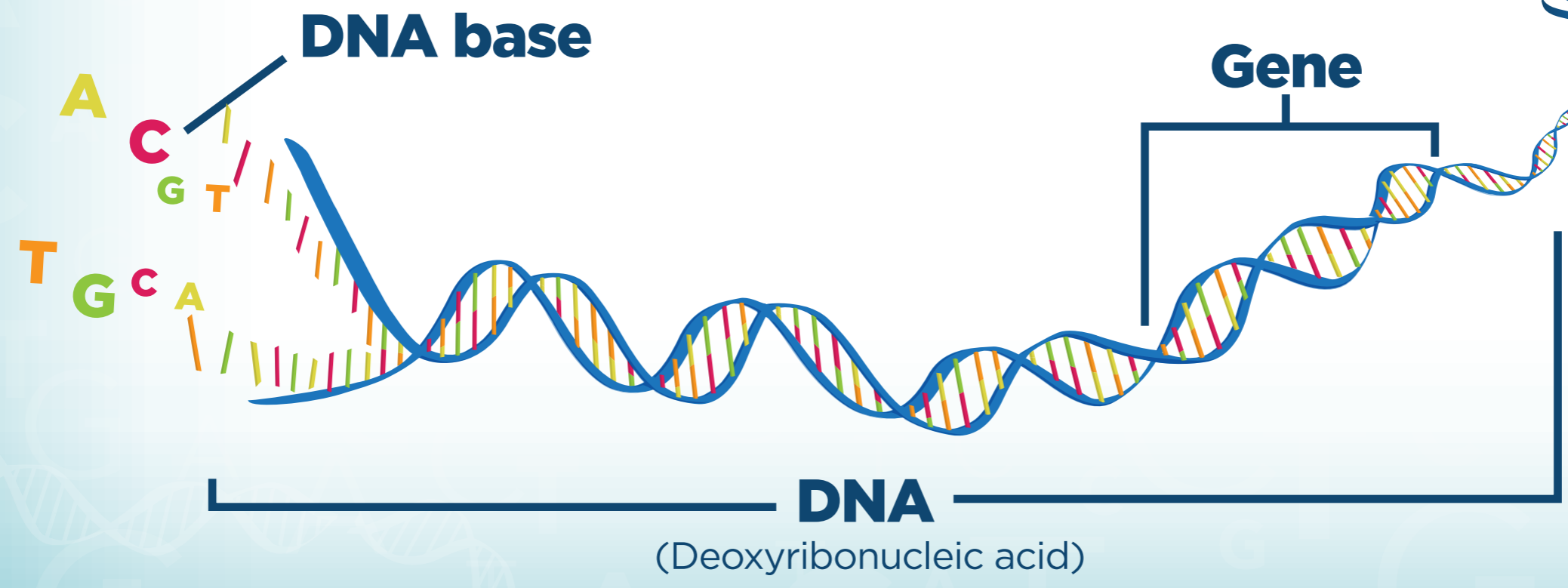
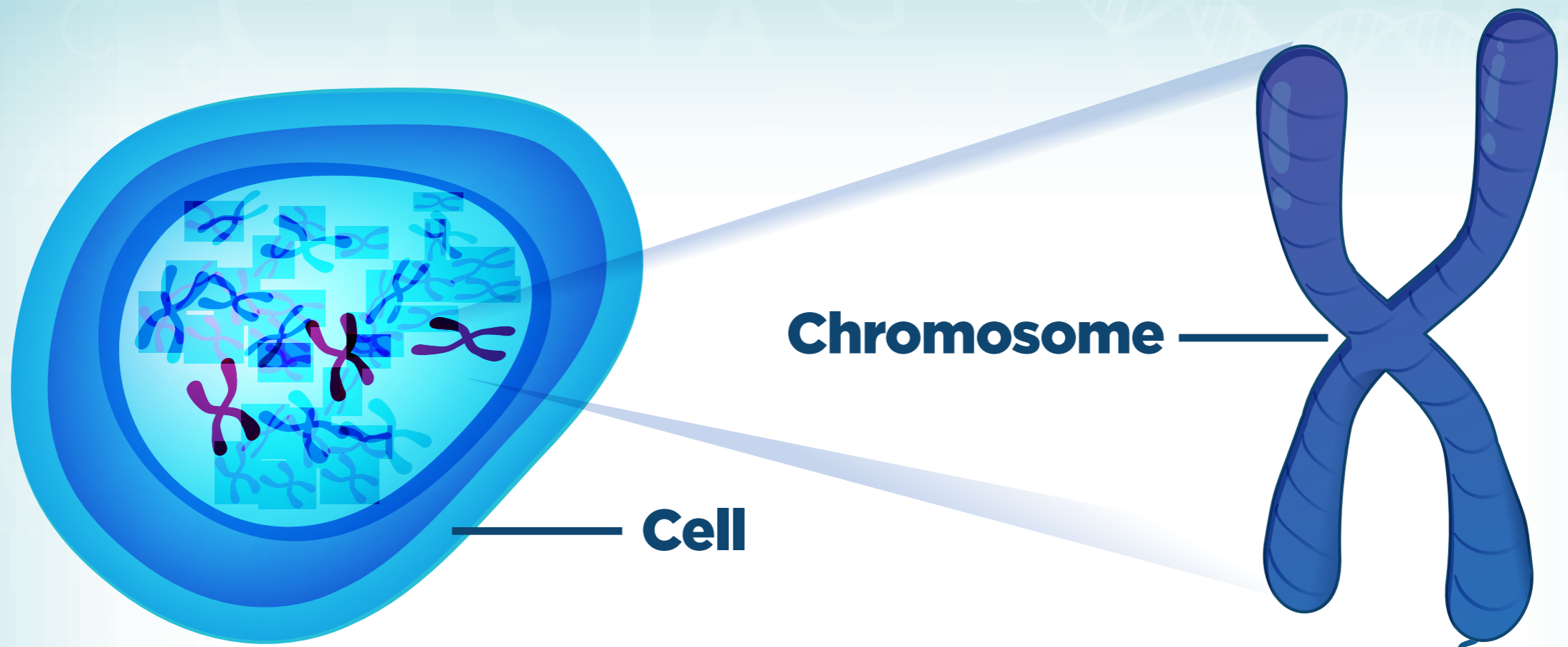
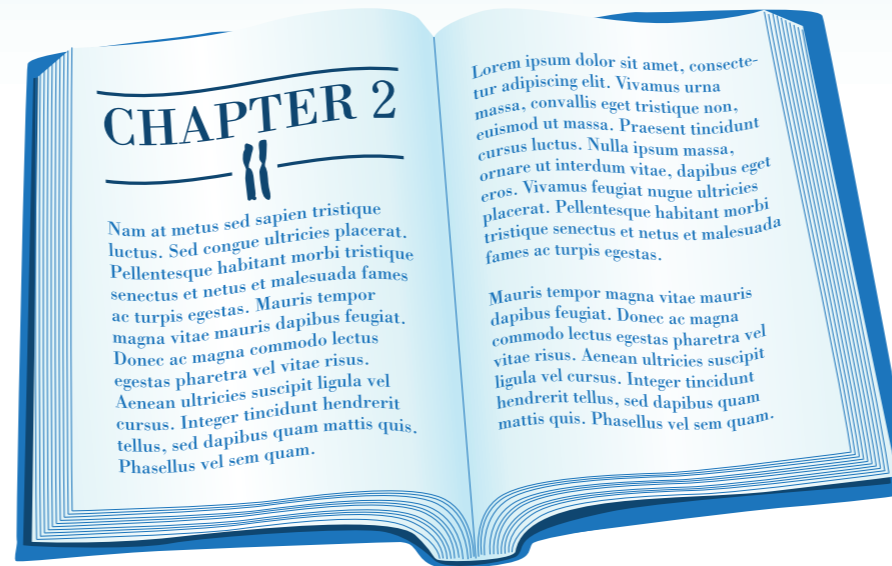


# Genomic Counseling Guide

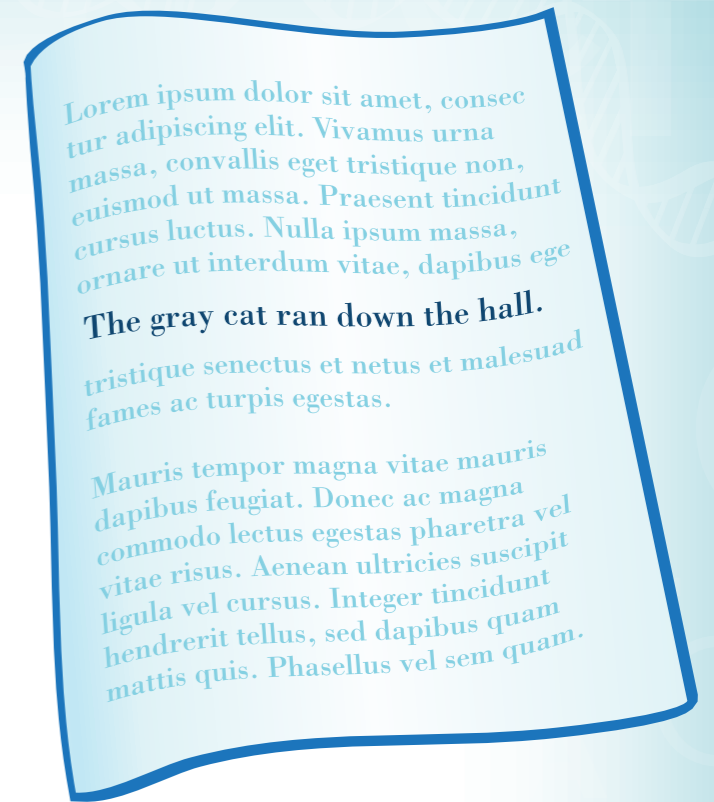




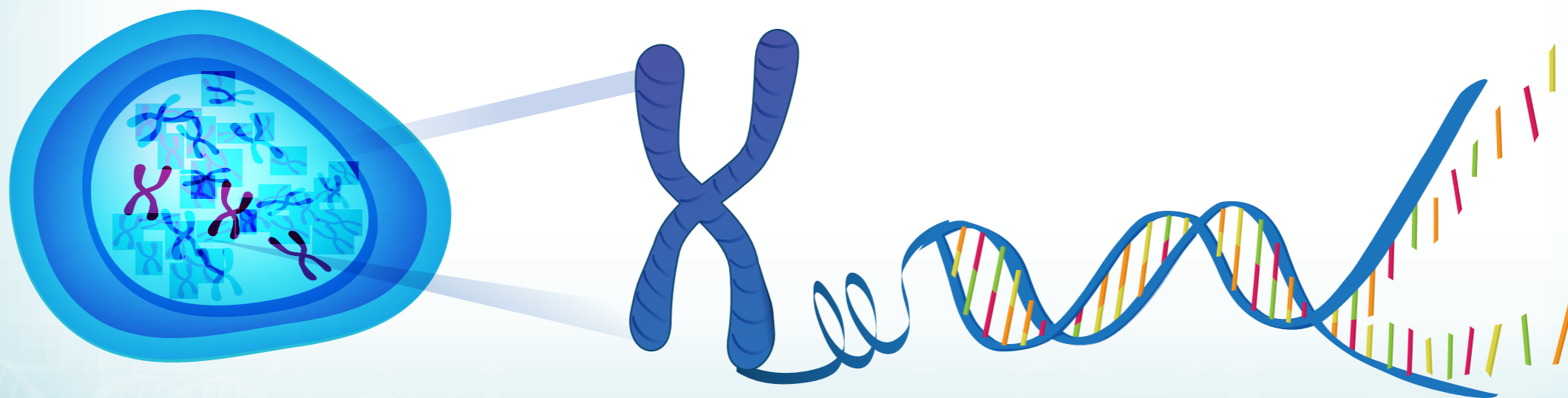
**BOOK – GENOME**

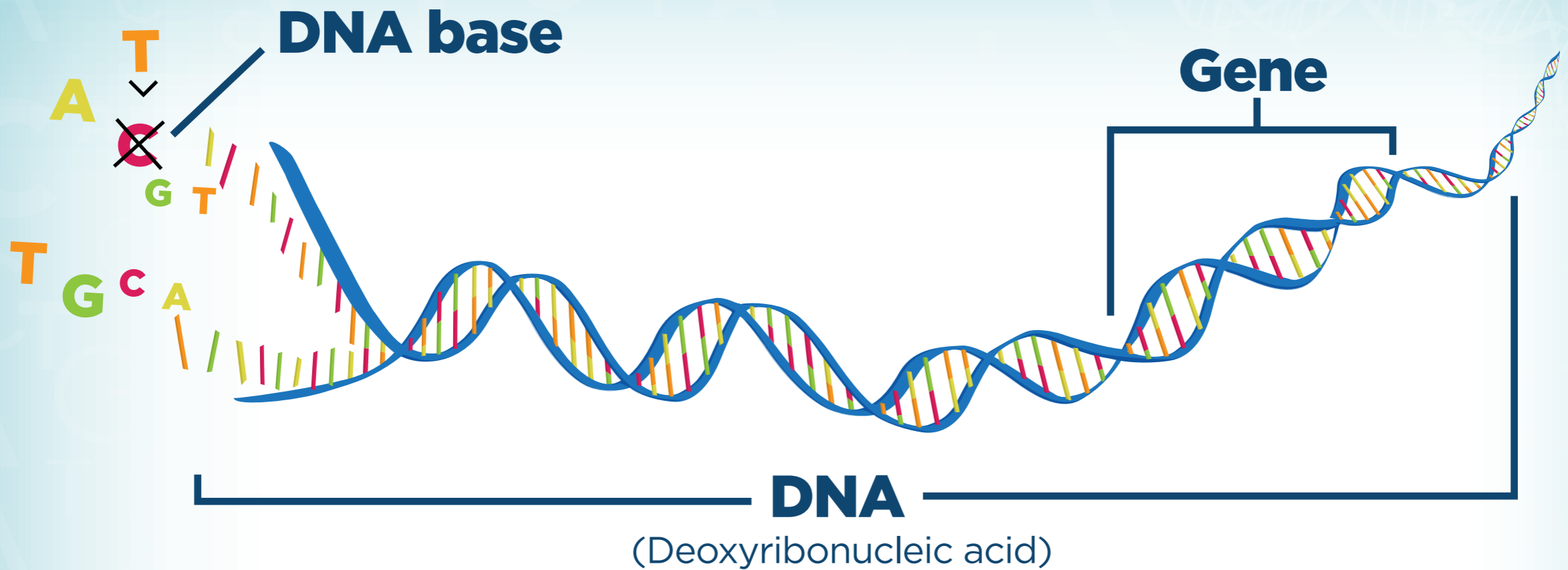


**CHAPTERS – CHROMOSOMES**



**SENTENCE – GENE**

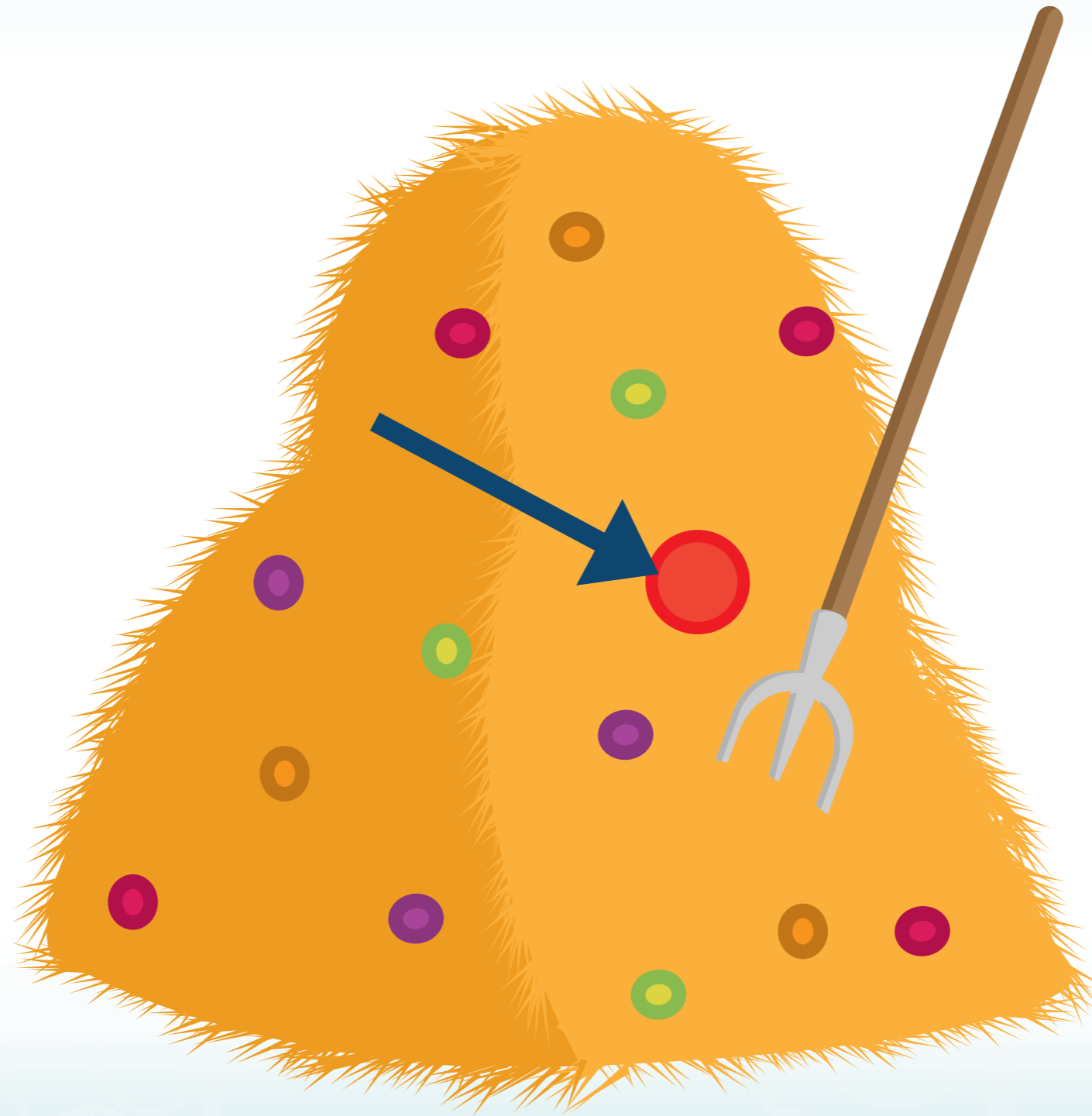




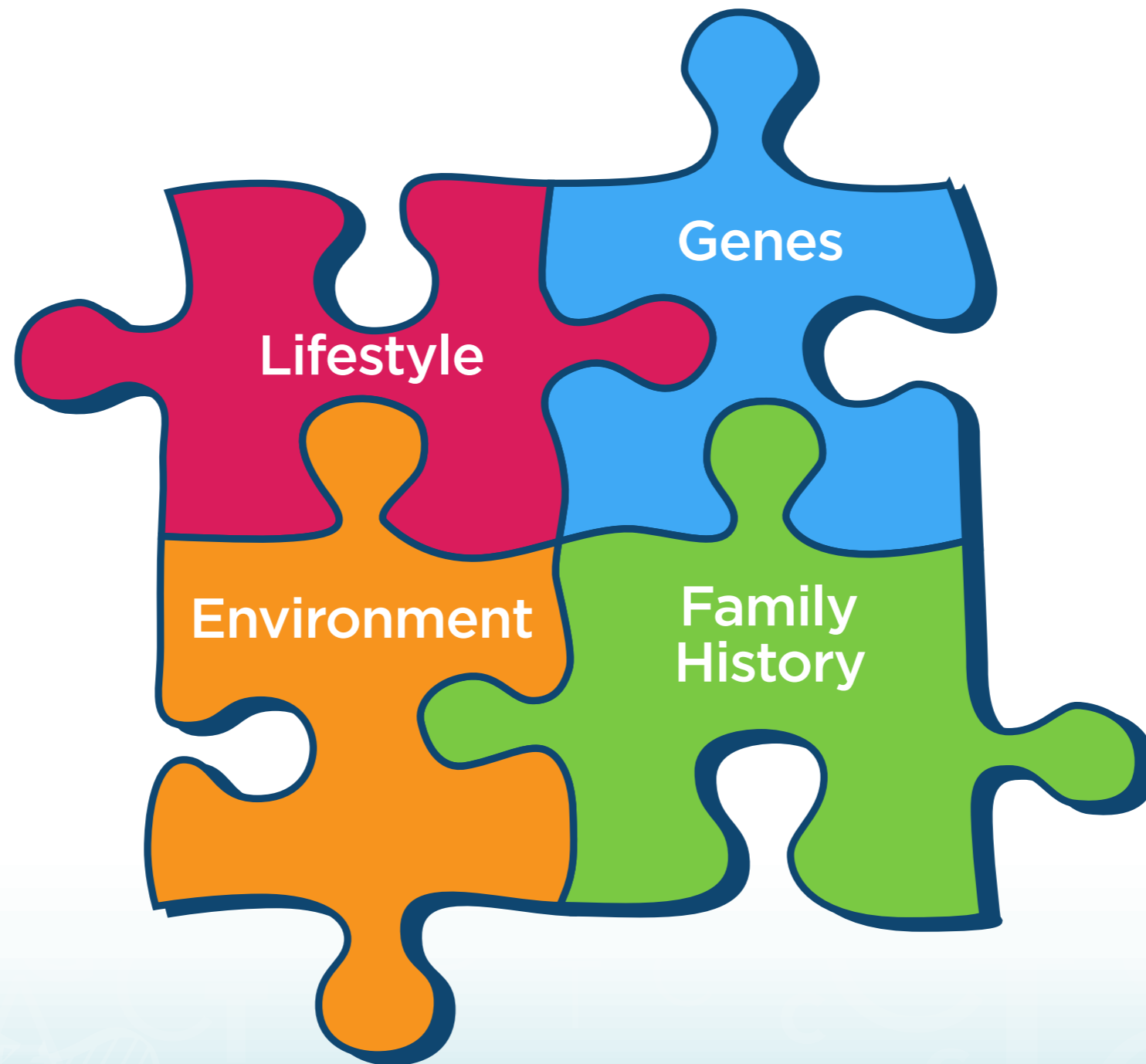
**The gray cat ran down the hall.**  
The gray cat ran down the **b**all.

**Changes in DNA might change the way a gene works.**

# Genomic testing to find cause of rare disease



# Components of multifactorial disease



# Categories

CATEGORY NUMBER	1	2	3	4	5
WHAT <b>TYPE OF RESULTS</b> CAN I LEARN FROM THIS CATEGORY?	You have a high risk for diseases or drug side effects	You have a slightly higher/ lower risk for common diseases	You already have diseases, or have a higher risk for some	You have a high risk for brain diseases at a young age	You are a carrier for diseases
ARE <b>DISEASES</b> IN THIS CATEGORY <b>TREATABLE</b> or <b>PREVENTABLE</b> ?	Yes, specific medical interventions <b>are</b> available	No, specific medical interventions are <b>not</b> available for diseases in these categories			Medical interventions are available for <b>some diseases</b>
WHAT ARE SOME <b>EXAMPLES OF DISEASES</b> IN THIS CATEGORY?	Breast & ovarian cancer, aortic aneurysm, long QT syndrome & more	Coronary artery disease, type 2 diabetes & more	Birth defects (in kidneys, bones), Degenerative diseases (nerve damage, blindness) & more	Early-onset Alzheimer's, early-onset Parkinson's, late-onset Krabbe disease	Carrier for cystic fibrosis, sickle cell disease, phenylketonuria & more
DO YOU WANT TO KNOW THIS CATEGORY OF RESULTS?	Yes <input type="checkbox"/> No <input type="checkbox"/> Unsure <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> Unsure <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> Unsure <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> Unsure <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> Unsure <input type="checkbox"/>

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